Internet Submittal 2016-04-28

	Request C	Confidentiality - Che	ck this bo	x only if you i	inten	d to formally re	quest confide	ntiality	(see instr	uctions online).
FACILITY NAME				FIP	s cou	NTY NO.	PLANT NO.		YEAR OF DATA	A
NEW MADR	RID POWER PLA	ANT MARSTON				143	0004			2015
FACILITY STREET	ADDDEOG				UNTY	JAN45				
41 ST. JUDI	E RUAD			INE	EVV I	MADRID				
CITY		ZIP CODE + 4		PHONE NUMBER \	WITH A	REA CODE	EXT.		FAX NUMBER	WITH AREA CODE
MARSTON		63866 - 00	000	573-643-2211			6240			-643-2001
FACILITY MAILING	ADDRESS			CITY			STATE			ZIP CODE + 4
PO BOX 15	6			NEW MADE	RID				MO	63869 - 0000
FACILITY CONTAC	T NAME	FACILITY CONTACT TITLE		FACILITY CONTAC	CT E-M	AIL	WHERE TO SEND E	IQ IN FU	TURE (CHECK C	DNE)
KEVIN FARMER SAFETY & ENVIRONI		MENT	kfarmer@AEC	I.OR	3	X Facility Mailing	a Address	;		
							Parent Compa		g Address	
PRODUCT/PRINCIP			SIC	NAICS			NUMBER OF EMPL	OYEES		
	ELECTRICI	.TY	4911		221	112			198.00	
	LATITUDE	LONGITUDE				UTM C	ORDINATES			
DEGREES	36	-89	ZONE	EASTING(M)		NORTHING(M)	ACC(M)		HORIZONTAL	_ DATUM (Check One)
AMAILITEO	30	33	15N	807548.364		4046588.068	15.0		│	27 🗆 WGS84
MINUTES	30	33							X NAD	
SECONDS	54.9036	56.7252								
PARENT COMPANY NAME				PHONE NUMBER \	WITH A	REA CODE	EXT.		FAX NUMBER	
ASSOCIATE	ED ELECTRIC C	COOPERATIVE INC	С	417	7-88	1-1204	222		417	-885-9394
MAILING ADDRESS	3			CITY			STATE		ZIP CODE + 4	
2814 S GOL	DEN AVE			SPRINGFIE	LD		МО		658	307 - 3213
PO BOX 75										
CONTACT PERSON		CONTACT PERSON TITLE		CONTACT PERSO	N F-MA	All	ļ		COUNTRY	
TADD HENRY		SUPV. AIR QUALITY		THENRY@AECI.C			ORG			ED STATES
TOTAL DI A	NT EMISSIONS		(TONO D						0	25 0171120
	SOX	FROM FORM 3.0	•	CO CO		LEAD	HAPs	PM25	-	NH3
PM10 733.37	12,375.27	4,200.82	207.18	4,821.1	14	0.05	111.34	PIVIZ	437.43	38.25
		es that they have per		-				temen		
_	•	they believe this info	•							-
certifies that I	knowingly making	a false statement or	misreprese	enting the facts	pres	ented in this doc	cument is a viola	ation o	f state law.	
PRINT NAME OF P	ERSON COMPLETING FO	DRM			TITLE	.		PAYMEN	NT AMOUNT	
SIGNATURE					DATE			CHECK/	AUTH.NO.	
PRINT NAME OF A	UTHORIZED COMPANY R	REPRESENTATIVE			TITLE	Ē		PAYMEN	NT DATE	
						_				
SIGNATURE					DATE					
CONTACT IN	FORMATION							OFF	TICE USE ONLY	
	artment of Natural	Resources					LOGGED IN BY		DAT	E
	Control Program	resources								
	1659 E. Elm St.									
	, Mo 65102-0176									
(573) 751-481		Saal:								
` '	8 - MOEIS Help D	Jesk is/emissionsreporting	ı htm							
eiq@dnr.mo.g		.o, omioolonoreporting	,							

EIQ Comments

FACILITY NAME NEW MADRIE	D POWER PLANT	MARSTON	FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015		
EMISSION YEAR 2017	USER ID NR\$YIETU EP-16 PAC Silo and FE-08 Paved PAC Haul Road added. NR\$YIETU SCRs on each unit ran during ozone season only.						
2016	NR\$YIETU	Overall emissions down on Unit 1 due to extended spring maintenance outage.					
2016	NR\$YIETU NRSTOCT	SCRs for each unit only ran a limit Thus, NOx emissions increased a	and NH3 emissions de	creased for 2016.	·		
2015	NR\$YIETU	PMcon was added to diesel combustion emissions (SCC 10100501) for both boilers. NOx emissions reduced as a result of running the SCRs on each unit.					
2015	NR\$YIETU NR\$YIETU	NH3 emissions increase due to use of SCRs on each unit. Overall emissions down due to extended spring maintenance outage on Unit 2 and both units being placed in reserve shutdown status for a period of time at the end of the year.					



MISSOURI DEPARTMENT OF NATURAL RESOURCES AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

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ŀ	FORM	1.2 SI	JMMARY	OF EMIS	SSION UN	ITS AND	RELATED	PROCESSES

FACILITY NAME	DOMED DI 4				FIPS COUNTY NO.		PLANT NO		YEAR OF DATA	
NEW MADRID I	POWER PLA	NI MARSIC)N		143	3		0004	20	015
INSTRUCTIONS						L				
If all emissions ar	e below the re	porting thresho	old, mark belov	w as "Insignifi	cant", and do r	not report on	Forms	2.0 and 3.0.		
If one pollutant ex	ceeds the rep	orting threshol					orms 2	2.0 and 3.0.		
Pollutant	PM10	SOx	NOx	VOC	THRESHOLD CO	CATEGOR	ORY 1 CATEGORY 2		PM2.5	NH3
						HAPs		HAPs		
Threshold (lbs.) Threshold (tons)	876 0.438	2,000 1.0	2,000 1.0	876 0.438	2,000 1.0	20 0.01		200 0.1	876 0.438	876 0.438
EMISSION UNIT NO.	EN	IISSION UNIT	DESCRIPTIO	N		OPERATI	ING ST	TATUS (CH	OOSE ONE)	
SCC	(USE SA	AME DESCRIF	PTION ON FO	RM 2.0)	Active	Inactive		Dismantled	Under Construction	Insignificant
EP-01		BOILE	ER #1		×					
10100501										
EP-01		BOILE	-R #1		×					
10100223		20.22								
EP-01		BOILE	=D #1		×	\Box		1	П	
10100203		BOILE						_		
EP-01	BOILER #1				×					
10101302										
EP-02		BOILE			×					
10100501	BOILLIN II Z									
EP-02		BOILE		×						
10100203	50.22.1.1.2									
EP-02		BOILE	ER #2		×					
10100223										
EP-02		BOILE	ER #2		×					
10101302										
EP-03	EN	MERGENCY	GENERATO)R	×]		
20100102										
EP-04		COAL UNI	LOADING		×					
30501008										
EP-05		COAL CO	NVEYING		×]		
30501011										
EP-05		COAL CO	NVEYING		×					
30501011										
EP-05		COAL CO	NVEYING		×					
30501011										
EP-05		COAL CO	NVEYING		×					
30501011										
EP-06		COAL CR	RUSHING		×					
30501010										

EP-07	ASH LOADING	×							
30501015	ACIT LOADING								
EP-07	ASH LOADING	×							
30501015	ACITECADING								
EP-08	GASOLINE STORAGE	×							
40400107	GAGGEINE STORAGE								
EP-08	GASOLINE STORAGE	×							
40400101	GAGGEINE GTOWNGE								
EP-09	BARGE DIESEL PUMPS	×							
20200102	B/WOLDIEGE FOWN C								
EP-10	Internal Combustion Engines	×							
20200401	Industrial - Large Bore Engine Diesel Fuel Fired								
EP-11	Truck load-in of fly ash	×							
30501110	Traditional III or ity doi:								
EP-12	Truck load-out of fly ash	×							
30501110									
EP-14	Truck load-in of bottom ash	×							
30501110									
EP-15	Truck load-out of bottom ash	×							
30501110									
FE-01	COAL PILE	×							
30501043									
FE-01	COAL PILE	×							
30502007									
FE-02	HAUL ROAD	×							
30502011									
FE-03	ASH UNLOADING	×							
30501008									
FE-04	Paved haul road to landfill (fly ash only)	×							
30501024	, ,								
FE-05	Unpaved haul road to landfill (fly ash and bottom	×							
30501024	ash)								
FE-06	Landfill Pile Maintenance	×							
30502007									
FE-07	Landfill Wind Erosion	×							
50300810									
	Only emission units marked "Active" on this page will have their associated Form 2.0 and worksheet information displayed in this PDF document.								

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA			
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015			
1. EMISSION	UNIT IDENTIFIC	ATION								
EMISSION UNIT NO.	EMISSION UNIT DE									
EP-01				BOIL	_ER #1					
2. EMISSION	PROCESS DETA	\IL								
SEG. NO.	-	CATION CODE (SCC)		SCC DESC	CRIPTION					
3		101005	501		Grades 1 and 2 Oil					
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	COMPLETE FORM 2.0S STACK	VENT INFORMATION			
ARE THE EMISSION:	S FROM THIS UNIT FUG	SITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	SE?				
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL O	CHARACTERISTICS			
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	l.95	For coal or fuel oil, li	st details below			
15	8.66	1000 G	ALLONS	MAR-MAY (%)	.77	Heat Content (BTU/Fuel Unit)	,000,000.00			
LIQUIDO (DAY)	DAVONIETI	WEEKONE	TOTAL HOUSE SAITS				, ,			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '	.52	ASH % (INCLUDE IN EF)	0.00			
20.00	2.00	6	240.00	SEPT-NOV (%)	70	SULFUR % (INCLUDE IN EF)				
				21	.76	0.00				
5. EMISSION	CALCULATIONS	3								
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	x Emi x (1-Overa	Il Throughput ssion Factor Il Control Eff/100) ÷ 2000			
Instructions:	0 , ,	11 (5 (4))	KEE: I I	0 1: :: (!!		+	Emissions (tons)			
mstructions.	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference				
PM10 FIL *	4F	1.0000	No Control	81.79	0.01	SOURCE OF E	MISSION FACTOR LIST			
SOx						1. CEM	Include documentation			
						2. Stack Test	Include documentation			
NOx						3. Mass Balance	Include documentation			
						4. AP-42	Include reference			
VOC	4F	0.2000	No Control	0.00	0.02	4F. FIRE or webFIRE				
						5. Other	Include documentation			
CO						EC. Engr Calc	Include documentation			
						LS. Landfill Spdsht	Include documentation			
LEAD	4F	0.0013	No Control	49.51	0.00	TK. TANKS Program	Supply TANKS output			
						2.3. VOC Mass Bal	Complete Form 2.3			
HAPs						2.4. Liquid Loading	Complete Form 2.4			
						2.7. Haul Road	Complete Form 2.7			
PM2.5 FIL *	4F	0.2500	No Control	67.37	0.01	2.8. Storage Pile	Complete Form 2.8			
						2.T. HAP Worksheet	Complete Form 2.T			
NH3						2.9. Stack Test/CEM	Complete Form 2.9			
						2.0L. Landfill	Complete Form 2.0L			
PM CON*	4F	1.3000	No Control	0.00	0.10	are required and sh	ed, PM10 and PM25 entries above nould represent only the filterable			

FACILITY NAME NEW MADRID POWE	R PLANT MAR	STON	FIPS COUN	TY NO. 143	PLANT I	NO. 0004	YEAR OF DATA 2015	
EMISSION UNIT NO.			SOURCE C	_ASSIFICATION C	ODE (SCC)		SEG. NO.	
	EP-01			10	100501		3	
1. COMBUSTION EQUIP	PMENT INFORM	ATION						
COAL FIRING CODE LIST	EQ	UIPMENT DESCRIPTION		YEAR PUT IN SERVICE	CC	L FIRING DE NO. IST AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)	
1. TANGENTIAL	BOIL	LER #1 - 1 & 2 FUEL OIL	C	01/01/1972	2		6,340.000000	
2. OPPOSED								
3. FRONT								
4. DRY/WET BOTTOM								
OTHER (SPECIFY)								
			Sum	of total maxi	imum houi	rly design rates	6,340.0000	
COMBUSTION EQUIPM	IENT USE (CHE	CK ONE)						
▼ Electric power generation								
Other (specify):								
COMBUSTION EQUIPM	ENT CATEGOR	Y - COAL USE ONLY (CHECK	ONE)					
Pulverized coal	Pulveriz	ed coal dry bottom	ulverized	coal wet bo	ttom	X Cyclone		
Fluidized bed	Spreade	er stoker C	overfeed :	stoker		Underfe	ed stoker	
Hand fired	Other (s	pecify):						
2. FUEL INFORMATION	(CHECK ONLY	ONE)						
LIQUID FUEI	LS	GASEOUS FUELS		SOI	LID FUEL	S	OTHER	
Ethanol		Blast oven gas		Anthracite (Coal		Other (specify):	
Fuel oil 1-4 (distillate	e) [Coke oven gas		Bagasse				
Fuel oil 5-6 (residual) [Liquid propane gas (LPG)		Bark				
Gasoline		Natural gas		Bituminous	coal			
Kerosene				Coke				
			Lignite					
			Subbituminous coal					
				Wood				
3. CALCULATION OF M	IAXIMUM HOUR	LY DESIGN RATE						
TOTAL HEAT CO (BTU/FUEL U		MAXIMUM HOURLY DESIG (FUEL UNIT/HR.)	N RATE	=				
140,000,000.0	000000	45.28571		Heat Content (btu/fuel unit)				

AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.0 EMISSION UNIT INFORMATION

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA			
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015			
1. EMISSION	UNIT IDENTIFIC	ATION								
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION								
EP-01				BOIL	_ER #1					
2. EMISSION	PROCESS DETA	AIL .								
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION					
2		101002	223		Cyclone	Furnace (Subbitun	ninous Coal)			
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X	Yes No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION					
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?				
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS			
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	0.19	For coal or fuel oil, li	st details below			
2,057	7,594.00	ТС	ONS	MAR-MAY (%)	3.99	Heat Content (BTU/Fuel Unit)	238,987.00			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)				
				21	.66	4.77				
24.00	7.00	46	7,728.00	SEPT-NOV (%)	5.16	SULFUR % (INCLUDE IN EF) 0.20				
5. EMISSION	CALCULATIONS	6								
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000				
						= Actual E	imissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference				
PM10 FIL *	2	22.6616	No Control	99.00	233.14	SOURCE OF EM	MISSION FACTOR LIST			
SOx	1	6.5528	No Control	0.00	6,741.50	1. CEM	Include documentation Include documentation			
NO	1	00.0440	Nie Oestrei	00.00	0.050.00	Stack Test Mass Balance	Include documentation			
NOx	ı	32.6442	No Control	93.00	2,350.90	4. AP-42	Include documentation			
VOC	4F	0.1100	No Control	0.00	113.17	4F. FIRE or webFIRE				
100		0.1100	NO CONTION	0.00	113.17	5. Other	Include documentation			
СО	1	2.5086	No Control	0.00	2,580.81	EC. Engr Calc	Include documentation			
				0.00	_,000.01	LS. Landfill Spdsht	Include documentation			
LEAD	5	0.0000	Controlled	0.00	0.03	TK. TANKS Program	Supply TANKS output			
						2.3. VOC Mass Bal	Complete Form 2.3			
HAPs	2T	0.0599	No Control	0.00	61.58	2.4. Liquid Loading	Complete Form 2.4			
						2.7. Haul Road	Complete Form 2.7			
PM2.5 FIL *	2	9.5876	No Control	99.00	98.64	2.8. Storage Pile	Complete Form 2.8			
						2.T. HAP Worksheet	Complete Form 2.T			
NH3	5	0.0208	No Control	0.00	21.44	2.9. Stack Test/CEM	Complete Form 2.9			
DM OCT	0	0.4000	N- O	0.00	440.00	2.0L. Landfill	Complete Form 2.0L			
PM CON*	2	0.1099	No Control	0.00	113.06		ed, PM10 and PM25 entries above ould represent only the filterable			

AIR POLLUTION CONTROL PROGRAM

EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

FORM 2.9 STACK TEST/CONTINUOUS EMISSIONS MONITOR WORKSHEET

FACILITY NAME		FIPS COUNTY NO.	PLA	ANT NO.	YEAR OF DATA			
NEW MADRID POWER PLANT MARST	ON	143		0004	2015			
EMISSION UNIT NO. SOURCE	E CLASSIFICATION CODE (SCC)		SEG. NO.	STACK NO.				
EP-01	10100223		2	STACK NO.	S-1			
		CAS NUMBER	_					
	CO	CAS NOWIBER		Note: Use a sepa	arate worksheet for each pollutant tested.			
1. EMISSION SOURCE INFORMATION								
EQUIPMENT MAKE/MODEL								
TYPE OF CONTROL DEVICE								
LIMITATIONS ON EMISSIONS, PRODUCTION OR OPERATING 1	TIME (IF ANY)							
2. STACK TEST INFORMATION								
TESTING FIRM NAME								
TESTING FIRM ADDRESS	CITY		STA	ATE	ZIP CODE + 4			
					-			
EPA METHOD(S) USED		RES	SULTS	COMPLIANCE				
					∐Yes ∐No			
TEST TECHNIQUE (CHECK ONE)		LATEST CALIBRATION	OF TESTING EC	QUIPMENT				
Operational Rate Maximum Des	sign Rate Both			0001-01-01				
AGENCY OBSERVING TEST (CHECK ONE)		NAME OF OBSERVER(S	S)					
□EPA □DNR	Other							
3. CONTINUOUS EMISSION MONITORING	INFORMATION							
CONCENTRATION OF POLLUTANT	UNITS	FLOW RATE OF STACK	(UNITS			
	MASS PER VOLUME OF GAS	E	0.000000)	volume of gas per time			
LATEST CALIBRATION OF MONITOR	.1	RESULTS OF CALIBRA	TION		Į.			
MONITOR AVERAGING PERIOD		PERCENT MONITOR DO	OWN TIME					
4. EMISSION FACTOR CALCULATION								
EMISSION RATE	UNITS							
689.6300	LBS. OF POLLUTANT	T EMITTED PER H ERATION	HOUR OF		mentation should include e information from the test			
PRODUCTION RATE	UNITS/HR.		LBS./HR.	data to verify th	e emission and production			
274.910000		TS/HR. data to verify the emission and production rate.						
	EMISSION FACTOR =							
	[{EMISSION RATE}	· / {PRODUCTION R	ATE}]					
EMISSION FACTOR	UNITS LBS./TONS			_BS./TONS				
	2.50856643	2 an Farm 2.2		<u> </u>				
Enter the emission factor into the appropriate			0					

AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

FORM 2.9 STACK TEST/CONTINUOUS EMISSIONS MONITOR WORKSHEET

FACILITY NAME		FIPS COUNTY NO.	PLA	NT NO.	YEAR OF DATA
NEW MADRID POWER PLANT MARS	TON	143		0004	2015
EMISSION UNIT NO. SOUR	CE CLASSIFICATION CODE (SCC)		SEG. NO.	STACK NO.	
EP-01	10100223		2	OTACKNO.	S-1
TYPE	SOx	CAS NUMBER		Note: Use a sep	arate worksheet for each pollutant tested.
1. EMISSION SOURCE INFORMATION				•	
EQUIPMENT MAKE/MODEL					
TYPE OF CONTROL DEVICE					
LIMITATIONS ON EMISSIONS, PRODUCTION OR OPERATING	TIME (IF ANY)				
2. STACK TEST INFORMATION					
TESTING FIRM NAME					
TESTING FIRM ADDRESS	CITY		STA	TE	ZIP CODE + 4
EPA METHOD(S) USED	TEST DATE(S)		DEG	SULTS	COMPLIANCE
EFA METHOD(3) USED	TEST DATE(3)		RES	BULIS	Yes No
TEST TECHNIQUE (CHECK ONE)		LATEST CALIBRATION	OF TESTING EC	QUIPMENT	•
Operational Rate Maximum De	esign Rate Both			0001-01-01	
AGENCY OBSERVING TEST (CHECK ONE) EPA DNR	Other	NAME OF OBSERVER(S)		
3. CONTINUOUS EMISSION MONITORING	G INFORMATION				
CONCENTRATION OF POLLUTANT	UNITS	FLOW RATE OF STACK	<		UNITS
	MASS PER VOLUME OF GAS		0.000000	1	volume of gas per time
LATEST CALIBRATION OF MONITOR		RESULTS OF CALIBRA	TION		<u>.</u>
MONITOR AVERAGING PERIOD		PERCENT MONITOR D	OWN TIME		
4. EMISSION FACTOR CALCULATION					
EMISSION RATE 1,801.4300	LBS. OF POLLUTANT	EMITTED PER I	HOUR OF		mentation should include ge information from the test
DOOD LOT ON DATE	LINUTO (LID		LBS./HR.	data ta varify t	he emission and production
PRODUCTION RATE 274.910000	UNITS/HR.	NS/HR.		data to verify ti	rate.
	EMISSIO	N FACTOR =			
	[{EMISSION RATE}		RATE}]		
EMISSION FACTOR	6.55279909			UNITS	LBS./TONS
Enter the emission factor into the appropriat If applicable, enter the control device type a			.0.		

AIR POLLUTION CONTROL PROGRAM

EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

FORM 2.9 STACK TEST/CONTINUOUS EMISSIONS MONITOR WORKSHEET

FACILITY NAME	•••	FIPS COUNTY NO.	PLA	ANT NO.	YEAR OF DATA	
NEW MADRID POWER PLANT MARST	ON	143		0004	2015	
EMISSION UNIT NO. SOURCE	CLASSIFICATION CODE (SCC)		SEG. NO.	STACK NO.		
EP-01	10100223		2	OTAGICINO.	S-1	
TYPE POLLUTA		CAS NUMBER				
□ Stack test	NOx			Note: Use a sepa	arate worksheet for each pollutant tested.	
1. EMISSION SOURCE INFORMATION						
EQUIPMENT MAKE/MODEL						
TYPE OF CONTROL DEVICE						
LIMITATIONS ON EMISSIONS, PRODUCTION OR OPERATING T	IME (IF ANY)					
2. STACK TEST INFORMATION						
TESTING FIRM NAME						
TESTING FIRM ADDRESS	CITY		STA	ATE	ZIP CODE + 4	
EPA METHOD(S) USED	TEST DATE(S)		DE	SULTS	COMPLIANCE	
EFA METHOD(S) USED	TEST DATE(S)		I KE	30113	Yes No	
TEST TECHNIQUE (CHECK ONE)		LATEST CALIBRATION	OF TEOTINO F	OLUDATAT		
Operational Rate Maximum Des	ign Rate Both	LATEST CALIBRATION	OF TESTING E	0001-01-01		
AGENCY OBSERVING TEST (CHECK ONE)		NAME OF OBSERVER(S	S)			
☐ EPA ☐ DNR	Other					
3. CONTINUOUS EMISSION MONITORING	INFORMATION					
CONCENTRATION OF POLLUTANT	UNITS	FLOW RATE OF STACK			UNITS	
	MASS PER VOLUME OF GAS		0.000000	0	volume of gas per time	
LATEST CALIBRATION OF MONITOR		RESULTS OF CALIBRAT	ΓΙΟΝ			
MONITOR AVERAGING PERIOD		PERCENT MONITOR DO	OWN TIME			
4. EMISSION FACTOR CALCULATION						
EMISSION RATE	UNITS			N. B		
8,974.2300	LBS. OF POLLUTANT OPE	TEMITTED PER H ERATION		summary page	mentation should include e information from the test	
PRODUCTION RATE	UNITS/HR.		LBS./HR		e emission and production	
274.910000		data to verify the emission and production rate.				
	EMISSION RATE}	ON FACTOR = /{PRODUCTION R	ATE}1			
EMISSION FACTOR	[[55.517.10.112]			UNITS		
	32.6442472				LBS./TONS	
Enter the emission factor into the appropriate			0			



MISSOURI DEPARTMENT OF NATURAL RESOURCES AIR POLLUTION CONTROL PROGRAM

EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.T HAZARDOUS AIR POLLUTANT WORKSHEET

F	ACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
1	NEW MADRID POWER PLANT MARSTON	143	0004	2015
E	MISSION UNIT NO.	SOURCE CLASSIFICATION CODE (SCC)		SEG. NO.
	EP-01	10100223		2

Use this form to report any Hazardous Air Pollutant, or HAP, which is emitted in any amount greater than the chemical reporting levels per each emission unit. The instructions for this form provide a list of the HAPs regulated under the Clean Air Act. The amount emitted (Column 4) should be reported before control equipment reductions are applied. Provide documentation (other worksheets, etc.) if the amount in Column 3 does not equal the amount in Column 4. The HAP reporting levels per emission unit are as follows: Category 1 HAPs - sum of 20 pounds per year: All other HAPs - sum of 200

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
HAP CHEMICAL	CAS NUMBER	AMOUNT USED OR HANDLED (LBS./YR.)	UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	HAP CONTROL DEVICE(S)	CONTROL EFFICIENCY (%)	CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	CONTROLLED EMISSION REPORTED AS HAPs (LBS./YR.)
Acetaldehyde	75-07-0	114.73	114.73	114.73	0.00		0.00000	114.73	0.00
Arsenic compounds	20-01-9	27.31	27.31	27.31	0.00		0.00000	27.31	0.00
Benzene	71-43-2	139.83	139.83	139.83	0.00		0.00000	139.83	0.00
Chromium compounds	20-06-4	105.42	105.42	105.42	0.00		0.00000	105.42	0.00
Cobalt compounds	20-07-5	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Dichloromethane	75-09-2	129.07	129.07	0.00	129.07	,	0.00000	0.00	129.07
Dimethyl sulfate	77-78-1	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Dioctyl phthalate	117-81-7	129.07	129.07	129.07	0.00		0.00000	129.07	0.00
Formaldehyde	50-00-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Hydrogen chloride	7647-01-0	5,888.32	5,888.32	0.00	5,888.32		0.00000	0.00	5,888.32
Hydrogen fluoride	7664-39-3	117,118.13	117,118.13	0.00	117,118.13		0.00000	0.00	117,118.13
Manganese compounds	20-12-2	176.31	176.31	176.31	0.00		0.00000	176.31	0.00
				SUM (LBS./YR.)	SUM (LBS./YR.)			SUM (LBS./YR.)	SUM (LBS./YR
		HAF	P Emission Totals =	968.11	123,164.22			968.11	123,164.22
Uncontrolled HAP Emis	ssion Factor =		rolled emissions rep al)/Annual Through		11. HAP EMISSION FACTOR 0.05985837				

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
HAP CHEMICAL	CAS NUMBER	AMOUNT USED OR HANDLED (LBS./YR.)	UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	HAP CONTROL DEVICE(S)	CONTROL EFFICIENCY (%)	CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)
Mercury compounds	20-13-3	28.70	28.70	0.00	28.70		0.00000	0.00	28.70
Methyl chloride	74-87-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Methyl ethyl ketone	78-93-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Methyl hydrazine	60-34-4	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
N-Hexane	110-54-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Nickel compounds	20-14-4	130.95	130.95	130.95	0.00		0.00000	130.95	0.00
Phenol	108-95-2	118.32	118.32	118.32	0.00		0.00000	118.32	0.00
Vinyl chloride	75-01-4	26.17	26.17	26.17	0.00		0.00000	26.17	0.00
		НАГ	P Emission Totals =	SUM (LBS./YR.) 968.11	SUM (LBS./YR.) 123,164.22			SUM (LBS./YR.) 968.11	SUM (LBS./YR.) 123,164.22
Uncontrolled HAP Emission Factor = Sum of uncontrolled em (Column 6 Total)/Annua		•		11. HAP EMISSION FACTOR 0.05985837					
Enter the HAP emission factor for all chemicals that are not reported as VOCs or PM10 from Block 11 above as the HAP Emission Factor in Section 5 on Form 2.0.									

FACILITY NAME NEW MADRID POWE	R PLANT MAF	RSTON	FIPS COU	NTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015
EMISSION UNIT NO.	EP-01		SOURCE	CLASSIFICATION C	ODE (SCC) 100223	SEG. NO.
1. COMBUSTION EQUIP	PMENT INFORM	MATION				
COAL FIRING CODE LIST		UIPMENT DESCRIPTION		YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEFT	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BOILER	#1 - SUBBITUMINOUS COAL	-	01/01/1972	Other	6,340.000000
2. OPPOSED						
3. FRONT						
4. DRY/WET BOTTOM						
OTHER (SPECIFY)						
Cyclone					imum hourly design rate	es 6,340.0000
COMBUSTION EQUIPM	IENT USE (CHE	CK ONE)				·
X Electric power gener	ation	Industrial use	Comi	mercial/Institu	itional Space	e heating
Other (specify):						
COMBUSTION EQUIPM	IENT CATEGOR	RY - COAL USE ONLY (CHECK	ONE)			
Pulverized coal	Pulveriz	zed coal dry bottom	Pulverize	d coal wet bo	ttom X Cyclon	е
Fluidized bed	—	<u> </u>	Overfeed	stoker	Underf	eed stoker
Hand fired		specify):				
2. FUEL INFORMATION	•	•	<u> </u>			
LIQUID FUEI	LS	GASEOUS FUELS	SOLID FUELS Anthracite Coal			OTHER
Ethanol Fuel oil 1-4 (distillate	,	Blast oven gas Coke oven gas] Bagasse	Joan	Other (specify):
Fuel oil 5-6 (residual	` '	Liquid propane gas (LPG)		」 Bayasse ☐Bark		
Gasoline	′ <u> </u>	Natural gas]Bituminous	coal	
Kerosene] Coke	COCI	
Theresons				Lignite		
				コーッ・・・・・ ころubbitumin	ous coal	
] Wood		
3. CALCULATION OF M	IAXIMLIM HOLIF	RI Y DESIGN RATE				
TOTAL HEAT CO		MAXIMUM HOURLY DESIG	N RATE	Ma	aximum Design Rate (mmbtu/h	r.) X 1,000,000 (btu/mmbtu)
(BTU/FUEL U		(FUEL UNIT/HR.)		=	Heat Content (b	tu/fuel unit)
17,238,987.0	00000	367.77100				•

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015	
1. EMISSION	UNIT IDENTIFIC	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION						
EP-01				BOIL	_ER #1			
2. EMISSION	PROCESS DETA	\IL						
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION			
1		101002	203		Cyclo	ne Furnace (Bitumii	nous Coal)	
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	COMPLETE FORM 2.0S STACK	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?		
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)		For coal or fuel oil, li	st details below	
				0	.00	·		
1.0	58.00		ONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)		
1,0	36.00	'	DING	` '	.00	· · · · · · · · · · · · · · · · · · ·	008,000.00	
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
HOOKOPAT	DATOWEEK	WEEKO/TEAK	TOTAL HOOKS/TEAK	(,	.00	AOT W (NOTOBE NV ET)	8.70	
24.00	7.00	4	672.00	SEPT-NOV (%)		SULFUR % (INCLUDE IN EF)		
				10	100.00 8.70			
5. EMISSION	CALCULATIONS	3						
AIR	1.	2.	3.	4.	5.	Annua	l Throughput	
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emi x (1-Overa	ssion Factor II Control Eff/100) ÷ 2000	
						= Actual E	Emissions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference	(1)	
PM10 FIL *	2	22.6616	No Control	99.00	0.12	SOURCE OF E	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC	4F	0.1100	No Control	0.00	0.06	4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО	1	2.5086	No Control	0.00	1.33	EC. Engr Calc	Include documentation	
						LS. Landfill Spdsht	Include documentation	
LEAD	4F	0.0004	Controlled	0.00	0.00	TK. TANKS Program	Supply TANKS output	
						2.3. VOC Mass Bal	Complete Form 2.3	
HAPs						2.4. Liquid Loading	Complete Form 2.4	
						2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	2	9.5876	No Control	99.00	0.05	2.8. Storage Pile	Complete Form 2.8	
						2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
						2.0L. Landfill	Complete Form 2.0L	
PM CON*	2	0.1099	No Control	0.00	0.06		ed, PM10 and PM25 entries above nould represent only the filterable	

AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

FORM 2.9 STACK TEST/CONTINUOUS EMISSIONS MONITOR WORKSHEET

FACILITY NAME			FIPS COUNTY NO.	F	PLANT NO.		YEAR OF DATA
NEW MADRID POWER	CPLANT MARSTO	ON	143		0	004	2015
EMISSION UNIT NO.	SOLIBOE	CLASSIFICATION CODE (SCC)		SEG. NO.	ет	ACK NO.	
EP-01	SOURCE	10100203		1	31	ACK NO.	S-1
TYPE X CEM Sta	ck test	CO CO	CAS NUMBER		١	Note: Use a separate worksheet for each pollutant tested.	
1. EMISSION SOURCE IN	IFORMATION						
EQUIPMENT MAKE/MODEL							
TYPE OF CONTROL DEVICE							
LIMITATIONS ON EMISSIONS, PROD	UCTION OR OPERATING TI	ME (IF ANY)					
2. STACK TEST INFORM	ATION						
TESTING FIRM NAME							
		<u> </u>					-
TESTING FIRM ADDRESS		CITY		S	STATE		ZIP CODE + 4
EDA METHOD (O) HOED		TEOT DATE(O)			250111 70		-
EPA METHOD(S) USED		TEST DATE(S)		ŀ	RESULTS		COMPLIANCE Yes N
TEST TECHNIQUE (CHECK ONE)			LATEST CALIBRATION	OF TESTING	EQUIPMEN	IT	•
Operational Rate	Maximum Desi	gn Rate Both			000)1-01-01	
AGENCY OBSERVING TEST (CHECK	ONE)		NAME OF OBSERVER(S)			
□EPA [DNR	Other					
3. CONTINUOUS EMISSI	ON MONITORING I		_				
CONCENTRATION OF POLLUTANT		UNITS	FLOW RATE OF STACE		00		UNITS
		MASS PER VOLUME OF GAS		0.0000	00		volume of gas per tin
LATEST CALIBRATION OF MONITOR			RESULTS OF CALIBRA	TION			
MONITOR AVERAGING PERIOD			PERCENT MONITOR D	OWN TIME			
4. EMISSION FACTOR C	ALCULATION						
EMISSION RATE		UNITS			Ι.		
689.630	0	LBS. OF POLLUTANT OPE	EMITTED PER I		su		mentation should include e information from the tes
PRODUCTION RATE		UNITS/HR.		LBS./l		a to verify th	e emission and production
274.9100	000		NS/HR.		date		rate.
			N FACTOR =				
		[{EMISSION RATE}		RATE}]			
EMISSION FACTOR			UNITS	L	BS./TONS		
Enter the emission factor i	nto the appropriate	box in Section 5. Column :	3 on Form 2.0.		-		
If applicable, enter the cor				.0.			

FACILITY NAME NEW MADRID POWE	R PLANT MAR	STON	FIPS COUN	TY NO. 143	PLANT NO.	0004	YEAR OF DATA 2015
EMISSION UNIT NO.			SOURCE C	LASSIFICATION C	ODE (SCC)		SEG. NO.
	EP-01			10	100203		1
1. COMBUSTION EQUIP	PMENT INFORM	ATION					
COAL FIRING CODE LIST	EQI	UIPMENT DESCRIPTION		YEAR PUT IN SERVICE	COD	FIRING E NO. T AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BOILE	R #1 - BITUMINOUS COAL	(01/01/1972	:	2	6,340.000000
2. OPPOSED							
3. FRONT							
4. DRY/WET BOTTOM							
OTHER (SPECIFY)							
			Sum	of total maxi	mum hourly	design rates	6,340.0000
COMBUSTION EQUIPM	IENT USE (CHEC	CK ONE)					
X Electric power gener	ation	Industrial use	Comm	nercial/Institu	tional	Space	heating
Other (specify):							
COMBUSTION EQUIPM	ENT CATEGOR	Y - COAL USE ONLY (CHECK	ONE)				
Pulverized coal	Pulveriz	ed coal dry bottom	ulverized	coal wet bo	ttom	X Cyclone	
Fluidized bed	Spreade	er stoker C	overfeed:	stoker		Underfe	ed stoker
Hand fired	Other (s	specify):					
2. FUEL INFORMATION	(CHECK ONLY	ONE)					
LIQUID FUEI	LS	GASEOUS FUELS		SOI	LID FUELS		OTHER
Ethanol		Blast oven gas		Anthracite (Coal		Other (specify):
Fuel oil 1-4 (distillate	e) [Coke oven gas		Bagasse			
Fuel oil 5-6 (residual) [Liquid propane gas (LPG)		Bark			
Gasoline		Natural gas	×	Bituminous	coal		
Kerosene				Coke			
		Subbitumin	ous coal				
				Wood			
3. CALCULATION OF M	IAXIMUM HOUR	LY DESIGN RATE					
TOTAL HEAT CO (BTU/FUEL U		MAXIMUM HOURLY DESIG (FUEL UNIT/HR.)	N RATE	= Ma) X 1,000,000 (btu/mmbtu)
22,008,000.0	00000	288.07706		1	н	eat Content (btu	nuei uniti

FACILITY NAME NEW MADRI	D POWER PLA	ANT MARSTON	I	FIPS COU	NTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015	
1 EMISSION	UNIT IDENTIFIC	ATION						
EMISSION UNIT NO.								
EP-01				BOII	_ER #1			
	PROCESS DETA	A III						
SEG. NO.		CATION CODE (SCC)		SCC DESC	CRIPTION			
4	0001102 02100111	101013	103	000 220	on non	Waste Oil		
	FROM THUS EMISSION					OMPLETE FORM 2.0S STACK/	(ENT INFORMATION	
	S FROM THIS UNIT FUG	UNIT FLOW THROUGH		Yes	No IF YES, C		VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	L. SIIIVE?	Yes X No	IF FOGITIV	VE, WHAT PERCENTAG			
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	7.24	For coal or fuel oil, lis	st details below	
C).16	1000 G	ALLONS	MAR-MAY (%)).20	Heat Content (BTU/Fuel Unit) 150,	000,000.00	
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
TIOONO/DAT	DATO/WEEK	WELKO/TEAK	TOTAL HOOKS/TEAK	, ,	.72	AGIT 70 (INGEGDE IIV ET)	0.05	
20.00	2.00	6	240.00	SEPT-NOV (%)	.84	SULFUR % (INCLUDE IN EF) 0.00		
5 EMISSION	 CALCULATIONS	2						
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	x Emis x (1-Overal	Throughput ssion Factor Il Control Eff/100) - 2000 missions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference	missions (tons)	
PM10 FIL *	4 - Formula: 51*A where 'A' is percent ash	2.5500	No Control	95.00	0.00	SOURCE OF EN	IISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
		4.0000	N 0	0.00	0.00	4. AP-42	Include reference	
VOC	4	1.0000	No Control	0.00	0.00	4F. FIRE or webFIRE	Include documentation	
						5. Other EC. Engr Calc	Include documentation	
СО						LS. Landfill Spdsht	Include documentation	
LEAD	4	2.2000	No Control	66.78	0.00	TK. TANKS Program	Supply TANKS output	
LLAD	.	2.2000	INO CONTION	00.70	0.00	2.3. VOC Mass Bal	Complete Form 2.3	
HAPs						2.4. Liquid Loading	Complete Form 2.4	
						2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	4	1.4400	No Control	95.00	0.00	2.8. Storage Pile	Complete Form 2.8	
						2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
						2.0L. Landfill	Complete Form 2.0L	
PM CON*						are required and sho	d, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.	

FACILITY NAME NEW MADRID POWEI	R PLANT MAR	RSTON	FIPS COUN	143	PLANT NO. 0004	YEAR OF DATA 2015
EMISSION UNIT NO.			SOURCE C	LASSIFICATION C		SEG. NO.
	EP-01			10	4	
1. COMBUSTION EQUIP	PMENT INFORM	MATION				
COAL FIRING CODE LIST	EQ	UIPMENT DESCRIPTION		YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LE	MAXIMUM DESIGN RATE FT) (MILLION BTU/HR.)
1. TANGENTIAL	ВС	OILER #1 - WASTE OIL	C	01/01/0001		6,340.000000
2. OPPOSED						
3. FRONT						
4. DRY/WET BOTTOM						
OTHER (SPECIFY)						
				of total maxi	mum hourly design r	rates 6,340.0000
COMBUSTION EQUIPM	ENT USE (CHE	CK ONE)				
X Electric power genera	ation [Industrial use	Comm	nercial/Institu	tional Sp	pace heating
Other (specify):						
COMBUSTION EQUIPM	ENT CATEGOR	RY - COAL USE ONLY (CHECK	ONE)			
Pulverized coal	Pulveriz	zed coal dry bottom	Pulverized	l coal wet bo	ttom 🔀 Cyc	lone
Fluidized bed	Spreade	er stoker C	Overfeed :	stoker	Und	lerfeed stoker
Hand fired	Other (s	specify):				
2. FUEL INFORMATION	(CHECK ONLY	ONE)				
LIQUID FUEL	_S	GASEOUS FUELS		SOI	ID FUELS	OTHER
Ethanol		Blast oven gas		Anthracite (Coal	Other (specify):
Fuel oil 1-4 (distillate)) [Coke oven gas		Bagasse	WASTE OIL	
Fuel oil 5-6 (residual)		Liquid propane gas (LPG)		Bark		
Gasoline		Natural gas		Bituminous	coal	
Kerosene				Coke		
				Lignite		
				Subbitumin	ous coal	
				Wood		
3. CALCULATION OF M.	AXIMUM HOUR	RLY DESIGN RATE	•			
TOTAL HEAT CO (BTU/FUEL U		MAXIMUM HOURLY DESIG (FUEL UNIT/HR.)	N RATE	= Ma		otu/hr.) X 1,000,000 (btu/mmbtu)
150,000,000.0	00000	42.26667		1	Heat Conter	nt (btu/fuel unit)

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015	
1. EMISSION	UNIT IDENTIFIC	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION						
EP-02				BOIL	ER #2			
2. EMISSION	PROCESS DETA	AIL						
SEG. NO.	SOURCE CLASSIFI	ICATION CODE (SCC)		SCC DESC	CRIPTION			
3		101005	501			Grades 1 and 2 (Oil	
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	COMPLETE FORM 2.0S STACK	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	GITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	GE?		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL O	CHARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	3.29	For coal or fuel oil, li	st details below	
13	34.25	1000 G	ALLONS	MAR-MAY (%)).42	Heat Content (BTU/Fuel Unit)	,000,000.00	
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
					3.30		NaN	
20.00	2.00	6	240.00	SEPT-NOV (%)	2.99	SULFUR % (INCLUDE IN EF) 0.00		
5. EMISSION	CALCULATIONS	8						
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	x Emi x (1-Overa	Il Throughput ssion Factor Il Control Eff/100) ÷ 2000	
Instructions:	Choose from the	Lho (unit of throughput	If EF includes control	Combination of all	If controlled, include	= ACTUAL E	Emissions (tons)	
mondenons.	Source of Emission Factor list at lower right	Lbs./unit of throughput	mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	Form 2.0C Control Device Listing	AP-42/Other Reference		
PM10 FIL *	4F	1.0000	No Control	47.29	0.04	SOURCE OF EI	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC	4F	0.2000	No Control	0.00	0.01	4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation	
1545	4	0.0040	Neconstant	00.05	0.00	LS. Landfill Spdsht	Include documentation	
LEAD	4	0.0013	No Control	33.25	0.00	TK. TANKS Program	Supply TANKS output Complete Form 2.3	
HADa						2.3. VOC Mass Bal 2.4. Liquid Loading	Complete Form 2.4	
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	4F	0.2500	No Control	76.35	0.00	2.8. Storage Pile	Complete Form 2.8	
I IVIZ.J FIL	71	0.2000	INO COLLIO	10.33	0.00	2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
11115						2.0L. Landfill	Complete Form 2.0L	
PM CON*	4F	1.3000	No Control	0.00	0.09	* If PM CON is report	ed, PM10 and PM25 entries above nould represent only the filterable	

FACILITY NAME NEW MADRID POWER	R PLANT MAF	RSTON	FIPS COU	NTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015
EMISSION UNIT NO.	EP-02		SOURCE O	CLASSIFICATION C	ODE (SCC)	SEG. NO.
1. COMBUSTION EQUIP				-		
COAL FIRING CODE LIST		UIPMENT DESCRIPTION		YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEFT	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BOI	LER #2 - 1 & 2 FUEL OIL		01/01/1997	2	6,340.000000
2. OPPOSED						
3. FRONT						
4. DRY/WET BOTTOM						
OTHER (SPECIFY)						
					mum hourly design rate	es 6,340.0000
COMBUSTION EQUIPME	ENT USE (CHE	CK ONE)				
X Electric power genera	ation [Industrial use	Comr	mercial/Institu	tional Spac	e heating
Other (specify):						
COMBUSTION EQUIPME	ENT CATEGOR	RY - COAL USE ONLY (CHECK	ONE)			
Pulverized coal	Pulveriz	zed coal dry bottom	Pulverize	d coal wet bo	ttom X Cyclon	е
Fluidized bed	Spread	er stoker C	Overfeed	stoker	Underf	eed stoker
Hand fired	Other (s	specify):				
2. FUEL INFORMATION	(CHECK ONLY	ONE)				
LIQUID FUEL	S	GASEOUS FUELS		SOI	LID FUELS	OTHER
Ethanol		Blast oven gas	Anthracite Coal			Other (specify):
X Fuel oil 1-4 (distillate)		Coke oven gas		Bagasse		
Fuel oil 5-6 (residual)	[Liquid propane gas (LPG)		Bark		
Gasoline	[Natural gas		Bituminous	coal	
Kerosene				Coke		
				Subbitumin	ous coal	
				Wood		
3. CALCULATION OF MA	AXIMUM HOUR	RLY DESIGN RATE				
TOTAL HEAT CO (BTU/FUEL U		MAXIMUM HOURLY DESIG (FUEL UNIT/HR.)	N RATE	= Ma	ximum Design Rate (mmbtu/r Heat Content (b	
140,000,000.00	00000	45.28571			rieat Content (b	turiusi uniti

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRI	D POWER PLA	ANT MARSTON			143	0004	2015		
1. EMISSION	UNIT IDENTIFIC	ATION							
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION							
EP-02				BOIL	ER #2				
2. EMISSION	PROCESS DETA	AIL .							
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION				
1		101002	03		Cyclo	ne Furnace (Bitumir	nous Coal)		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	XYes	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION		
ARE THE EMISSION:	S FROM THIS UNIT FUG	SITIVE?	Yes X No	IF FUGITI\	E, WHAT PERCENTAG	E?			
	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS		
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	0.00	For coal or fuel oil, lis	st details below		
18	34.00	ТС	DNS	MAR-MAY (%)	00	Heat Content (BTU/Fuel Unit)	200 000 00		
				0.	00	26,0	000,000.00		
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)	00	ASH % (INCLUDE IN EF)	8.70		
24.00	7.00	44	7,392.00	SEPT-NOV (%)	00	SULFUR % (INCLUDE IN EF)			
				0.	0.00 8.70				
5. EMISSION	CALCULATIONS	3							
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	x Emi: x (1-Overa	I Throughput ssion Factor II Control Eff/100) ÷ 2000		
						= Actual E	missions (tons)		
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	2	22.6174	No Control	99.00	0.02	SOURCE OF EM	MISSION FACTOR LIST		
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	0.1100	No Control	0.00	0.01	4F. FIRE or webFIRE			
						E Others	Include documentation		
СО						5. Other			
	1	2.6374	No Control	0.00	0.24	EC. Engr Calc	Include documentation		
						EC. Engr Calc LS. Landfill Spdsht	Include documentation Include documentation		
LEAD	1 4F	2.6374 0.0004	No Control Controlled	0.00	0.24	EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program	Include documentation Include documentation Supply TANKS output		
						EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal	Include documentation Include documentation Supply TANKS output Complete Form 2.3		
LEAD HAPs						EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading	Include documentation Include documentation Supply TANKS output Complete Form 2.3 Complete Form 2.4		
HAPs	4F	0.0004	Controlled	0.00	0.00	EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road	Include documentation Include documentation Supply TANKS output Complete Form 2.3 Complete Form 2.4 Complete Form 2.7		
						EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road 2.8. Storage Pile	Include documentation Include documentation Supply TANKS output Complete Form 2.3 Complete Form 2.4 Complete Form 2.7 Complete Form 2.8		
HAPs PM2.5 FIL *	4F	0.0004	Controlled	0.00	0.00	EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road 2.8. Storage Pile 2.T. HAP Worksheet	Include documentation Include documentation Supply TANKS output Complete Form 2.3 Complete Form 2.4 Complete Form 2.7 Complete Form 2.7 Complete Form 2.8 Complete Form 2.T		
HAPs	4F	0.0004	Controlled	0.00	0.00	EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road 2.8. Storage Pile 2.T. HAP Worksheet 2.9. Stack Test/CEM	Include documentation Include documentation Supply TANKS output Complete Form 2.3 Complete Form 2.4 Complete Form 2.7 Complete Form 2.8 Complete Form 2.T Complete Form 2.T		
HAPs PM2.5 FIL *	4F	0.0004	Controlled	0.00	0.00	EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road 2.8. Storage Pile 2.T. HAP Worksheet 2.9. Stack Test/CEM 2.0L. Landfill	Include documentation Include documentation Supply TANKS output Complete Form 2.3 Complete Form 2.4 Complete Form 2.7 Complete Form 2.7 Complete Form 2.8 Complete Form 2.T		

FACILITY NAME NEW MADRID POWE	R PLANT MAR	STON	FIPS COUN	TY NO. 143	P	PLANT NO. 0004	YEAR OF DATA 2015
EMISSION UNIT NO.			SOURCE C	LASSIFICATION C	CODE (S	SCC)	SEG. NO.
	EP-02			101	1002	03	1
1. COMBUSTION EQUIP	PMENT INFORM	ATION					
COAL FIRING CODE LIST	EQI	UIPMENT DESCRIPTION		YEAR PUT IN SERVICE		COAL FIRING CODE NO. DE LIST AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BOILE	R #2 - BITUMINOUS COAL	(08/16/1977			6,340.000000
2. OPPOSED							
3. FRONT							
4. DRY/WET BOTTOM							
OTHER (SPECIFY)							
			Sum	of total maxi	imum	hourly design rates	6,340.0000
COMBUSTION EQUIPM	IENT USE (CHEC	CK ONE)					
X Electric power gener	ration	Industrial use	Comn	nercial/Institu	ıtiona	I Space	heating
Other (specify):							
COMBUSTION EQUIPM	ENT CATEGOR	Y - COAL USE ONLY (CHECK	ONE)				
Pulverized coal	Pulveriz	ed coal dry bottom	ulverized	coal wet bo	ttom	X Cyclone	
Fluidized bed	Spreade	er stoker C	overfeed:	stoker		Underfe	ed stoker
Hand fired	Other (s	pecify):					
2. FUEL INFORMATION	(CHECK ONLY	ONE)					
LIQUID FUEI	LS	GASEOUS FUELS		SOI	LID F	UELS	OTHER
Ethanol		Blast oven gas		Anthracite (Coal		Other (specify):
Fuel oil 1-4 (distillate	e)	Coke oven gas		Bagasse			
Fuel oil 5-6 (residual) [Liquid propane gas (LPG)		Bark			
Gasoline		Natural gas	×	Bituminous	coal		
Kerosene				Coke			
				Lignite			
		Subbitumin	ous c	oal			
			Wood				
3. CALCULATION OF M	IAXIMUM HOUR	LY DESIGN RATE					
TOTAL HEAT CO (BTU/FUEL U		MAXIMUM HOURLY DESIG (FUEL UNIT/HR.)	N RATE	= Ma	aximum	Design Rate (mmbtu/hr. Heat Content (btu) X 1,000,000 (btu/mmbtu)
26,000,000.0	00000	243.84620		1		rical Content (Diu	nuoi unity

MISSOURI DEPARTMENT OF NATURAL RESOURCES AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

FORM 2.0 EMISSION UNIT INFORMATION

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA			
NEW MADRI	D POWER PLA	NT MARSTON	I		143	0004	2015			
1. EMISSION	UNIT IDENTIFICA	ATION								
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION		BOIL	LER #2					
2 FMISSION	PROCESS DETA	All								
SEG. NO.		CATION CODE (SCC)		SCC DESC	CRIPTION					
2		101002	223		Cyclone Furnace (Subbituminous Coal)					
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION			
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	VE, WHAT PERCENTAG	E?				
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS			
ANNUAL THROUGHI	PUT	UNITS		DEC-FEB (%)	1.12	For coal or fuel oil, lis	st details below			
1,697	7,317.00	TC	ONS	MAR-MAY (%)	5.73	Heat Content (BTU/Fuel Unit)	238,987.00			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)	1.54	ASH % (INCLUDE IN EF)	4.77			
24.00	7.00	49	8,232.00	SEPT-NOV (%)	ł.61	SULFUR % (INCLUDE IN EF)	0.20			
AIR	1.	2.	3.	4.	5.		l Throughput			
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emission Factor x (1-Overall Control Eff/100) ÷ 2000				
						= Actual E	missions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference	, ,			
PM10 FIL *	2	22.6174	No Control	99.00	191.94	SOURCE OF EM	MISSION FACTOR LIST			
SOx	1	6.6383	No Control	0.00	5,633.62	1. CEM	Include documentation			
						2. Stack Test	Include documentation			
NOx	1	31.1028	No Control	93.00	1,847.70	3. Mass Balance	Include documentation			
						4. AP-42	Include reference			
VOC	4F	0.1100	No Control	0.00	93.35	4F. FIRE or webFIRE				
						5. Other	Include documentation			
СО	1	2.6374	No Control	0.00	2,238.29	EC. Engr Calc	Include documentation Include documentation			
LEAD	5	0.0000	O a returalla d	0.00	0.00	LS. Landfill Spdsht				
LEAD	5	0.0000	Controlled	0.00	0.02	TK. TANKS Program 2.3. VOC Mass Bal	Supply TANKS output Complete Form 2.3			
HAPs	2T	0.0506	No Control	0.00	40.76	2.4. Liquid Loading	Complete Form 2.4			
HAFS	۷۱	0.0586	No Control	0.00	49.76	2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7			
PM2.5 FIL *	2	9.5689	No Control	99.00	81.21	2.8. Storage Pile	Complete Form 2.8			
I WIZ.J FIL	_	3.003	NO CONTION	99.00	01.21	2.T. HAP Worksheet	Complete Form 2.T			
NH3	5	0.0198	No Control	0.00	16.82	2.9. Stack Test/CEM	Complete Form 2.9			
14715		0.0100	140 00111101	0.00	10.02	2.0L. Landfill	Complete Form 2.0L			
PM CON*	2	0.1592	No Control	0.00	135.11	* If PM CON is reported are required and sho	d, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.			

AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

FORM 2.9 STACK TEST/CONTINUOUS EMISSIONS MONITOR WORKSHEET

FACILITY NAME		FIPS COUNTY NO.	PLAN	T NO.	YEAR OF DATA
NEW MADRID POWER PLANT MAR	RSTON	143		0004	2015
EMISSION UNIT NO. SC	PURCE CLASSIFICATION CODE (SCC)	<u> </u>	SEG. NO.	STACK NO.	_
EP-02	10100223		2		S-2
TYPE	SOx	AS NUMBER		parate worksheet for each pollutant tested.	
1. EMISSION SOURCE INFORMATION					
EQUIPMENT MAKE/MODEL					
TYPE OF CONTROL DEVICE					
LIMITATIONS ON EMISSIONS, PRODUCTION OR OPERAT	ING TIME (IF ANY)				
2. STACK TEST INFORMATION					
TESTING FIRM NAME					
TESTING FIRM ADDRESS	CITY		STAT	E	ZIP CODE + 4
EPA METHOD(S) USED		RESU	JLTS	COMPLIANCE Yes No	
TEST TECHNIQUE (CHECK ONE) Operational Rate Maximum	Design Rate Both	LATEST CALIBRATION	OF TESTING EQU	0001-01-01	
AGENCY OBSERVING TEST (CHECK ONE)		NAME OF OBSERVER(S)		-
□EPA □DNR	Other				
3. CONTINUOUS EMISSION MONITORI	ING INFORMATION				
CONCENTRATION OF POLLUTANT	MASS PER VOLUME	FLOW RATE OF STACE	0.000000		volume of gas per time
	OF GAS				
LATEST CALIBRATION OF MONITOR		RESULTS OF CALIBRA	TION		
MONITOR AVERAGING PERIOD		PERCENT MONITOR D	OWN TIME		
4. EMISSION FACTOR CALCULATION					
EMISSION RATE 1,775.8700	LBS. OF POLLUTANT	EMITTED PER I RATION			umentation should include ge information from the test
PRODUCTION RATE	UNITS/HR.		LBS./HR.	data to verify	the emission and production
267.520000		NS/HR.		data to voiny	rate.
		N FACTOR =			
	[{EMISSION RATE} /	PRODUCTION F			
EMISSION FACTOR	6.63827003	LBS./TONS			
Enter the emission factor into the appropriate applicable, enter the control device type			.0.		

AIR POLLUTION CONTROL PROGRAM

EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ

FORM 2.9 STACK TEST/CONTINUOUS EMISSIONS MONITOR WORKSHEET

FACILITY NAME		FIPS COUNTY NO.	PLA	ANT NO.	YEAR OF DATA
NEW MADRID POWER PLANT MARST	ON	143		0004	2015
	CLASSIFICATION CODE (SCC)		SEG. NO.	STACK NO.	0.0
EP-02	10100223		2		S-2
TYPE	NOx	CAS NUMBER		Note: Use a sepa	rate worksheet for each pollutant tested.
1. EMISSION SOURCE INFORMATION					
EQUIPMENT MAKE/MODEL					
TYPE OF CONTROL DEVICE					
LIMITATIONS ON EMISSIONS, PRODUCTION OR OPERATING T	IME (IF ANY)				
2. STACK TEST INFORMATION					
TESTING FIRM NAME					
TESTING FIRM ADDRESS	CITY		STA	ATE	ZIP CODE + 4
					-
EPA METHOD(S) USED	TEST DATE(S)		RE	SULTS	COMPLIANCE Yes No
TEST TECHNIQUE (CHECK ONE)		LATEST CALIBRATION	OF TESTING E	QUIPMENT	
Operational Rate Maximum Des	ign Rate Both			0001-01-01	
AGENCY OBSERVING TEST (CHECK ONE)	Пол	NAME OF OBSERVER(S	3)		
∐EPA ∐DNR	U Other				
3. CONTINUOUS EMISSION MONITORING	INFORMATION				
CONCENTRATION OF POLLUTANT	UNITS	FLOW RATE OF STACK			UNITS
	MASS PER VOLUME OF GAS		0.000000)	volume of gas per time
LATEST CALIBRATION OF MONITOR		RESULTS OF CALIBRAT	TION		
MONITOR AVERAGING PERIOD		PERCENT MONITOR DO	OWN TIME		
4. EMISSION FACTOR CALCULATION					
EMISSION RATE	UNITS	EMITTED DED L		Note: Docur	mentation should include
8,320.6305	LBS. OF POLLUTANT OPE	ERATION	IOUR OF	summary page	e information from the test
			LBS./HR		
PRODUCTION RATE 267.520000	UNITS/HR.	NS/HR.		data to verify th	e emission and production rate.
	EMISSIC	ON FACTOR =			
	[{EMISSION RATE}	/ {PRODUCTION R	ATE}]		
EMISSION FACTOR			UNITS		
3	1.10283511			L	_BS./TONS
Enter the emission factor into the appropriate			0		

AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.9 STACK TEST/CONTINUOUS EMISSIONS MONITOR WORKSHEET

FACILITY NAME		FIPS COUNTY NO.	PL	ANT NO.	YEAR OF DATA
NEW MADRID POWER PLANT MARSTO	ON	143		0004	2015
	CLASSIFICATION CODE (SCC)		SEG. NO.	STACK NO.	
EP-02	10100223	•	2		S-2
	NT TESTED	CAS NUMBER			
区EM	CO			Note: Use a sepa	rate worksheet for each pollutant tested.
1. EMISSION SOURCE INFORMATION					
EQUIPMENT MAKE/MODEL					
TVDE OF CONTROL DEVICE					
TYPE OF CONTROL DEVICE					
LIMITATIONS ON EMISSIONS, PRODUCTION OR OPERATING TI	ME (IF ANY)				
2. STACK TEST INFORMATION					
TESTING FIRM NAME					
			•		
TESTING FIRM ADDRESS	CITY		STA	ATE	ZIP CODE + 4
					-
EPA METHOD(S) USED	TEST DATE(S)		RE	SULTS	COMPLIANCE
					∐Yes ∐No
TEST TECHNIQUE (CHECK ONE)		LATEST CALIBRATION (OF TESTING E	QUIPMENT	<u>I</u>
Operational Rate Maximum Des	gn Rate Both			0001-01-01	
AGENCY OBSERVING TEST (CHECK ONE)		NAME OF OBSERVER(S	5)		
□EPA □DNR	Other				
3. CONTINUOUS EMISSION MONITORING	NEORMATION				
CONCENTRATION OF POLLUTANT	UNITS	FLOW RATE OF STACK			UNITS
	MASS PER VOLUM	Ε	0.000000)	volume of gas per time
	OF GAS				
LATEST CALIBRATION OF MONITOR		RESULTS OF CALIBRAT	ION		
MONITOR AVERAGING PERIOD		PERCENT MONITOR DO)WN TIME		
4. EMISSION FACTOR CALCULATION EMISSION RATE	UNITS			T	
705.5700	LBS. OF POLLUTAN	T EMITTED DER H		Note: Docur	mentation should include
703.3700		ERATION		summary page	e information from the test
			LBS./HR	1.	
PRODUCTION RATE	UNITS/HR.			data to verify th	e emission and production
267.520000	TC	DNS/HR.			rate.
	EMISSI	ON FACTOR =		•	
	[{EMISSION RATE	/ {PRODUCTION R	ATE}]		
EMISSION FACTOR				UNITS	
2	.63744766				_BS./TONS
Enter the emission factor into the appropriate	hay in Section 5. Calumn	3 on Form 2 0		1	
If applicable, enter the control device type and			0.		



FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
NEW MADRID POWER PLANT MARSTON	143	0004	2015
EMISSION UNIT NO.	SOURCE CLASSIFICATION CODE (SCC)		SEG. NO.
EP-02	10100223		2

Use this form to report any Hazardous Air Pollutant, or HAP, which is emitted in any amount greater than the chemical reporting levels per each emission unit. The instructions for this form provide a list of the HAPs regulated under the Clean Air Act. The amount emitted (Column 4) should be reported before control equipment reductions are applied. Provide documentation (other worksheets, etc.) if

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
HAP CHEMICAL	CAS NUMBER	AMOUNT USED OR HANDLED (LBS./YR.)	UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	HAP CONTROL DEVICE(S)	CONTROL EFFICIENCY (%)	CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	CONTROLLED EMISSION REPORTED AS HAPs (LBS./YR.)
Acetaldehyde	75-07-0	94.60	94.60	94.60	0.00		0.00000	94.60	0.00
Arsenic compounds	20-01-9	22.07	22.07	22.07	0.00		0.00000	22.07	0.00
Benzene	71-43-2	115.30	115.30	115.30	0.00		0.00000	115.30	0.00
Chromium compounds	20-06-4	85.23	85.23	85.23	0.00		0.00000	85.23	0.00
Cobalt compounds	20-07-5	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Dichloromethane	75-09-2	106.43	106.43	0.00	106.43		0.00000	0.00	106.43
Dimethyl sulfate	77-78-1	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Dioctyl phthalate	117-81-7	106.43	106.43	106.43	0.00		0.00000	106.43	0.00
Formaldehyde	50-00-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Hydrogen chloride	7647-01-0	4,758.41	4,758.41	0.00	4,758.41		0.00000	0.00	4,758.4
Hydrogen fluoride	7664-39-3	94,640.52	94,640.52	0.00	94,640.52		0.00000	0.00	94,640.52
Manganese compounds	20-12-2	142.47	142.47	142.47	0.00		0.00000	142.47	0.00
				SUM (LBS./YR.)	SUM (LBS./YR.)			SUM (LBS./YR.)	SUM (LBS./YR
		HAF	P Emission Totals =	791.06	99,528.98			791.06	99,528.98
Uncontrolled HAP Emission Factor =		Sum of uncontrolled emissions reported as HAPs (Column 6 Total)/Annual Throughput (Form 2.0)			11. HAP EMISSION FACTOR 0.058639				

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
HAP CHEMICAL	CAS NUMBER	AMOUNT USED OR HANDLED (LBS./YR.)	UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	HAP CONTROL DEVICE(S) CONTROL EFFICIENCY (%		CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)
Mercury compounds	20-13-3	23.62	23.62	0.00	23.62	0.000		0.00	23.62
Methyl chloride	74-87-3	0.00	0.00	0.00	0.00	0.00000		0.00	0.00
Methyl hydrazine	60-34-4	0.00	0.00	0.00	0.00	0.00000		0.00	0.00
N-Hexane	110-54-3	0.00	0.00	0.00	0.00	0.00000		0.00	0.00
Nickel compounds	20-14-4	105.82	105.82	105.82	0.00	0.00000		105.82	0.00
Phenol	108-95-2	97.56	97.56	97.56	0.00		0.00000	97.56	0.00
Vinyl chloride	75-01-4	21.58	21.58	21.58	0.00		0.00000	21.58	0.00
·		HAP Emission Totals =		SUM (LBS./YR.) 791.06	SUM (LBS./YR.) 99,528.98			SUM (LBS./YR.) 791.06	SUM (LBS./YR.) 99,528.98
Uncontrolled HAP Emission Factor =		Sum of uncontrolled emissions reported as HAPs (Column 6 Total)/Annual Throughput (Form 2.0)			11. HAP EMISSION FACTOR 0.058639				
Enter the	e HAP emissior	n factor for all chem	icals that are not re	oorted as VOCs or F	PM10 from Block 11 above a	s the HAP Emission	Factor in Sec	tion 5 on Form 2.0.	

FACILITY NAME NEW MADRID POWE	R PLANT MAR	STON	FIPS COUN	143	PLANT NO.	0004	YEAR OF DATA 2015	
EMISSION UNIT NO.			SOURCE C	LASSIFICATION C	ODE (SCC)		SEG. NO.	
	EP-02			10	100223		2	
1. COMBUSTION EQUIP	PMENT INFORM	ATION						
COAL FIRING CODE LIST	EQ	UIPMENT DESCRIPTION		YEAR PUT IN SERVICE	COAL F CODE (CODE LIST	E NO.	MAXIMUM DESIGN RATE (MILLION BTU/HR.)	
1. TANGENTIAL	BOILER #	#2 - SUBBITUMINOUS COAL	_ (01/01/1997	1/1997 2		6,340.000000	
2. OPPOSED								
3. FRONT								
4. DRY/WET BOTTOM								
OTHER (SPECIFY)								
			Sum	of total maxi	mum hourly	design rates	6,340.0000	
COMBUSTION EQUIPM	IENT USE (CHEC	CK ONE)						
X Electric power gener	ration	Industrial use	Comn	nercial/Institu	tional	Space	heating	
Other (specify):								
COMBUSTION EQUIPM	ENT CATEGOR	Y - COAL USE ONLY (CHECK	ONE)					
Pulverized coal	Pulveriz	ed coal dry bottom	ulverized	l coal wet bo	ttom	X Cyclone		
Fluidized bed	Spreade	er stoker C	verfeed	stoker		Underfe	ed stoker	
Hand fired	Other (s	pecify):						
2. FUEL INFORMATION	(CHECK ONLY	ONE)						
LIQUID FUEI	LS	GASEOUS FUELS		SOI	ID FUELS		OTHER	
Ethanol		Blast oven gas		Anthracite (Coal		Other (specify):	
Fuel oil 1-4 (distillate	e) [Coke oven gas		Bagasse				
Fuel oil 5-6 (residual) [Liquid propane gas (LPG)		Bark				
Gasoline		Natural gas		Bituminous	coal			
Kerosene				Coke				
				Lignite				
			Subbituminous coal					
				Wood				
3. CALCULATION OF M	IAXIMUM HOUR	LY DESIGN RATE						
TOTAL HEAT CO (BTU/FUEL U		MAXIMUM HOURLY DESIGI (FUEL UNIT/HR.)	N RATE	= Ma) X 1,000,000 (btu/mmbtu)	
17,238,987.0	00000	367.77100		Heat Content (btu/fuel unit)				

FACILITY NAME NEW MADR	ID POWER PLA	ANT MARSTON	I	FIPS C	оинту но. 143	PLANT NO. 0004	YEAR OF DATA 2015
4 FMICCION	INIT IDENTIFIC	ATION					
EMISSION UNIT NO.	EMISSION UNIT DE						
EP-02	Elwidoloit oltii be	John Holl		BC	DILER #2		
	DDOCESS DET	\ !!			JILLIN III		
SEG. NO.	PROCESS DETA	CATION CODE (SCC)		I sec ni	ESCRIPTION		
4	SOUNCE CLASSII I	101013	202	300 01	LOCKIF HON	Waste Oil	
-				l			
		UNIT FLOW THROUGH		X		OMPLETE FORM 2.0S STACK	VENT INFORMATION
ARE THE EMISSION	S FROM THIS UNIT FUG	IIIVE?	Yes X No	IF FUG	ITIVE, WHAT PERCENTAG	E?	
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL (CHARACTERISTICS
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	57.24	For coal or fuel oil, I	ist details below
0.16 1000 GALLONS MAR-M			MAR-MAY (%)		Heat Content (BTU/Fuel Unit)		
					20.20	150	,000,000.00
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '	04.70	ASH % (INCLUDE IN EF)	0.05
				,	21.72		0.05
20.00	2.00	6	240.00	SEPT-NOV (%)	0.84	SULFUR % (INCLUDE IN EF)	0.00
5. EMISSION	CALCULATIONS	3					
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT		Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000 = Actual Emissions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference	
PM10 FIL *	4 - Formula: 51*A where 'A' is percent ash	2.5500	No Control	95.00	0.00	SOURCE OF E	MISSION FACTOR LIST
SOx						1. CEM	Include documentation
						2. Stack Test	Include documentation
NOx						3. Mass Balance	Include documentation
			N 6			4. AP-42	Include reference
VOC	4F	1.0000	No Control	0.00	0.00	4F. FIRE or webFIRE	Include documentation
						5. Other	
СО						EC. Engr Calc	Include documentation Include documentation
1545	4F	0.0000	N. O. strail	00.00	0.00	LS. Landfill Spdsht	Supply TANKS output
LEAD	4F	2.2000	No Control	66.80	0.00	TK. TANKS Program 2.3. VOC Mass Bal	Complete Form 2.3
HADo						2.4. Liquid Loading	Complete Form 2.4
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7
PM2.5 FIL *	4	1.4400	No Control	95.00	0.00	2.8. Storage Pile	Complete Form 2.8
I WIZ.J FIL	*	1.4400	NO COILLOI	93.00	0.00	2.T. HAP Worksheet	Complete Form 2.T
NH3					+	2.9. Stack Test/CEM	Complete Form 2.9
10						2.0L. Landfill	Complete Form 2.0L
PM CON*						* If PM CON is report	ted, PM10 and PM25 entries above nould represent PM95

FACILITY NAME NEW MADRID POWE	R PLANT MAR	STON	FIPS COUN	TY NO. 143	PI	O004	YEAR OF DATA 2015	
EMISSION UNIT NO.			SOURCE C	LASSIFICATION C	CODE (S	CC)	SEG. NO.	
	EP-02			101	10130	02	4	
1. COMBUSTION EQUIP	PMENT INFORM	ATION			T			
COAL FIRING CODE LIST	EQI	UIPMENT DESCRIPTION		YEAR PUT IN SERVICE		COAL FIRING CODE NO. DE LIST AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)	
1. TANGENTIAL	ВС	DILER #2 - WASTE OIL	(08/17/1977			6,340.000000	
2. OPPOSED								
3. FRONT								
4. DRY/WET BOTTOM								
OTHER (SPECIFY)								
			Sum	of total maxi	imum	hourly design rates	6,340.0000	
COMBUSTION EQUIPM	ENT USE (CHEC	CK ONE)						
X Electric power gener	ation	Industrial use	Comn	nercial/Institu	utional	Space	heating	
Other (specify):								
COMBUSTION EQUIPM	ENT CATEGOR	Y - COAL USE ONLY (CHECK	ONE)					
Pulverized coal	Pulveriz	ed coal dry bottom	ulverized	coal wet bo	ttom	X Cyclone	;	
Fluidized bed	Spreade	er stoker C	Overfeed	stoker		Underfe	ed stoker	
Hand fired	Other (s	pecify):						
2. FUEL INFORMATION	(CHECK ONLY	ONE)						
LIQUID FUEL	_S	GASEOUS FUELS		SOI	LID F	UELS	OTHER	
Ethanol		Blast oven gas		Anthracite (Coal		X Other (specify):	
Fuel oil 1-4 (distillate) [Coke oven gas		Bagasse			WASTE OIL	
Fuel oil 5-6 (residual)		Liquid propane gas (LPG)		Bark				
Gasoline		Natural gas		Bituminous	coal			
Kerosene				Coke				
				Lignite				
				Subbitumin	ous c	oal		
				Wood				
3. CALCULATION OF M	AXIMUM HOUR	LY DESIGN RATE						
TOTAL HEAT CO (BTU/FUEL U		MAXIMUM HOURLY DESIG (FUEL UNIT/HR.)	N RATE	TE = Maximum Design Rate (mmbtu/hr.) X 1,000,000 (btu/mmbtu) Heat Content (btu/fuel unit)				
150,000,000.0	000000	42.26667		Theat content (blurider unit)				

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA
NEW MADRI	D POWER PLA	ANT MARSTON			143	0004	2015
1. EMISSION	UNIT IDENTIFIC	ATION					
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION					
EP-03				EMERGENC'	Y GENERATOI	R	
2. EMISSION	PROCESS DETA	\IL					
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION		
1		201001	02			Reciprocating	
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X	No IF YES, C	COMPLETE FORM 2.0S STACK	VENT INFORMATION
ARE THE EMISSION	S FROM THIS UNIT FUG	SITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?	
	G RATE/SCHED	ULE				4. ANNUAL FUEL (CHARACTERISTICS
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	5.00	For coal or fuel oil, li	st details below
7.36 1000 0			ALLONS	MAR-MAY (%)	5.00	Heat Content (BTU/Fuel Unit)	,000,000.00
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR			ASH % (INCLUDE IN EF)	•
HOURS/DAY	DATS/WEEK	WEEKS/YEAR	TOTAL HOURS/TEAR	()	5.00	ASH % (INCLUDE IN EF)	0.00
1.00	1.00	52	52.00	SEPT-NOV (%)			0.00
5 FMISSION (CALCULATIONS	<u> </u>	L				
AIR	1.	2.	3.	4.	5.	Annua	I Throughput
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000	
						= Actual E	Emissions (tons)
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference	
PM10 FIL *	4F	14.0000	No Control	0.00	0.05	SOURCE OF E	MISSION FACTOR LIST
SOx	4F	39.7000	No Control	0.00	0.15	1. CEM	Include documentation
						2. Stack Test	Include documentation
NOx	4F	604.0000	No Control	0.00	2.22	3. Mass Balance	Include documentation
						4. AP-42	Include reference
voc	4F	49.3000	No Control	0.00	0.18	4F. FIRE or webFIRE	
						5. Other	Include documentation
СО	4F	130.0000	No Control	0.00	0.48	EC. Engr Calc	Include documentation
						LS. Landfill Spdsht	Include documentation
LEAD						TK. TANKS Program	Supply TANKS output
						2.3. VOC Mass Bal	Complete Form 2.3
HAPs						2.4. Liquid Loading	Complete Form 2.4 Complete Form 2.7
DMC 5 EU ±	4F	44.0000	No Caratral	0.00	0.05	2.7. Haul Road	Complete Form 2.8
PM2.5 FIL *	4F	14.0000	No Control	0.00	0.05	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.8 Complete Form 2.T
NILIO						2.1. HAP Worksheet 2.9. Stack Test/CEM	Complete Form 2.9
NH3						2.9. Stack Test/CEM 2.0L. Landfill	Complete Form 2.0L
PM CON*						* If PM CON is report are required and sh	ed, PM10 and PM25 entries above lould represent only the filterable and filterable PM25

FACILITY NAME NEW MADRID POWE	R PLANT MAF	RSTON	FIPS COUN	TY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015			
EMISSION UNIT NO.			SOURCE CI	_ASSIFICATION C		SEG. NO.			
4 COMPLICTION FOLLS	EP-03			20	100102	1			
1. COMBUSTION EQUIP	MENT INFORM	MATION	<u> </u>						
COAL FIRING CODE LIST	EQ	QUIPMENT DESCRIPTION		YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEF	MAXIMUM DESIGN RATE T) (MILLION BTU/HR.)			
1. TANGENTIAL	EME	ERGENCY GENERATOR	C	01/01/1983		8.350000			
2. OPPOSED									
3. FRONT									
4. DRY/WET BOTTOM									
OTHER (SPECIFY)									
			Sum	of total maxi	mum hourly design rat	es 8.3500			
COMBUSTION EQUIPM	ENT USE (CHE	CK ONE)							
▼ Electric power generation Industrial use Commercial/Institutional Space heating									
Other (specify):									
COMBUSTION EQUIPM	ENT CATEGOR	RY - COAL USE ONLY (CHECK	ONE)						
Pulverized coal	Pulveriz	zed coal dry bottom	ulverized	coal wet bo	ttom Cyclor	ne			
Fluidized bed	Spread	er stoker C	overfeed s	stoker	Under	feed stoker			
Hand fired	X Other (specify): EMEF	RGENCY	GENERATO	DR .				
2. FUEL INFORMATION	(CHECK ONLY	ONE)							
LIQUID FUEL	_S	GASEOUS FUELS		SOI	LID FUELS	OTHER			
Ethanol]	Blast oven gas		Anthracite (Coal	Other (specify):			
Fuel oil 1-4 (distillate	[Coke oven gas		Bagasse					
Fuel oil 5-6 (residual)) [Liquid propane gas (LPG)		Bark					
Gasoline]	Natural gas		Bituminous	coal				
Kerosene				Coke					
			Lignite						
				Subbituminous coal					
3. CALCULATION OF M	AXIMUM HOUF	RLY DESIGN RATE							
TOTAL HEAT CO		MAXIMUM HOURLY DESIG	N RATE	Ma	ximum Design Rate (mmbtu/	hr.) X 1,000,000 (btu/mmbtu)			
(BTU/FUEL U	(וואנ	(FUEL UNIT/HR.)		= Heat Content (btu/fuel unit)					
140,000,000.0	00000	0.05964							

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRID POWER PLANT MARSTON					143	0004	2015		
1. EMISSION	UNIT IDENTIFIC	ATION							
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION							
EP-04		COAL UNLOADING							
2. EMISSION	PROCESS DETA	\IL							
SEG. NO.	SOURCE CLASSIFI	SOURCE CLASSIFICATION CODE (SCC) SCC DESCRIPTION							
1		305010	800		Unloading				
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	COMPLETE FORM 2.0S STACK	VENT INFORMATION		
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?			
	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS		
ANNUAL THROUGH	NNUAL THROUGHPUT UNITS			DEC-FEB (%) 28.11		For coal or fuel oil, list details below			
4,514	,448.00	TONS		MAR-MAY (%)		Heat Content (BTU/Fuel Unit)			
·				20.13					
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` ′		ASH % (INCLUDE IN EF)			
				29	.04	0.00			
12.00	6.00	50	3,600.00	3,600.00 SEPT-NOV (%) 22.72		SULFUR % (INCLUDE IN EF)			
						0.00			
5. EMISSION	CALCULATIONS	5				1			
AIR	1.	2.	3.	4.	5.	Annual Throughput			
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
						= Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0006	No Control	99.00	0.01	SOURCE OF EMISSION FACTOR LIST			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
СО						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output Complete Form 2.3		
UAD-						2.3. VOC Mass Bal	Complete Form 2.4		
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0002	No Control	99.00	0.00	2.7. Hauf Road 2.8. Storage Pile	Complete Form 2.8		
FIVIZ.5 FIL	5	0.0002	INO CONTION	aa.00	0.00	2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
14113						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is report are required and sh	ed, PM10 and PM25 entries above sould represent only the filterable and filterable PM25		

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRID POWER PLANT MARSTON					143	0004	2015	
1. EMISSION	UNIT IDENTIFIC	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE							
EP-05		COAL CONVEYING						
2. EMISSION	PROCESS DETA	\IL						
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION			
1		305010)11		Coal Transfer			
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITI\	/E, WHAT PERCENTAG	E?		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS	
ANNUAL THROUGHPUT UNITS		UNITS		DEC-FEB (%) 28.11		For coal or fuel oil, list details below		
4 5 4 4	449.00		TONE			Heat Content (BTU/Fuel Unit)		
4,514,448.00		TONS		MAR-MAY (%) 20.13		Tieat Content (DTO/Fuel Offit)		
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	()		ASH % (INCLUDE IN EF)		
				29	0.04	0.00		
12.00	6.00	50	3,600.00	SEPT-NOV (%)		SULFUR % (INCLUDE IN EF)		
				22	2.72	0.00		
5. EMISSION	CALCULATIONS	3						
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000		
						= Actual E	imissions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference		
PM10 FIL *	4F	0.0013	No Control	65.00	1.02	SOURCE OF EMISSION FACTOR LIST		
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
voc						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation Include documentation	
LEAD						LS. Landfill Spdsht TK. TANKS Program	Supply TANKS output	
LEAD						2.3. VOC Mass Bal	Complete Form 2.3	
HAPs						2.4. Liquid Loading	Complete Form 2.4	
HAFS						2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	5	0.0004	No Control	65.00	0.30	2.8. Storage Pile	Complete Form 2.8	
	-	5.0004	110 00111101	55.55	0.00	2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
						2.0L. Landfill	Complete Form 2.0L	
PM CON*						are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable	

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRID POWER PLANT MARSTON					143	0004	2015		
1. EMISSION	UNIT IDENTIFIC	ATION							
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION							
EP-05		COAL CONVEYING							
2. EMISSION	PROCESS DETA	\IL							
SEG. NO.	SOURCE CLASSIFICATION CODE (SCC) SCC DESCRIPTION								
2		305010)11		Coal Transfer				
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION		
ARE THE EMISSION:	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITI\	/E, WHAT PERCENTAG	E?			
	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS		
ANNUAL THROUGH	THROUGHPUT UNITS DEC-FEE		DEC-FEB (%)	'.88	For coal or fuel oil, list details below				
3,756,153.00		TONS		MAR-MAY (%) 22.61		Heat Content (BTU/Fuel Unit)			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR			ACH 9/ (INICILIDE IN EE)			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	()	7.55	ASH % (INCLUDE IN EF) 0.00			
24.00	7.00	44	7,392.00	SEPT-NOV (%) 21.96		SULFUR % (INCLUDE IN EF)			
				21	.96	0.00			
5. EMISSION	CALCULATIONS	3							
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
In atmostic and						= Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0012	No Control	99.00	0.02	SOURCE OF EMISSION FACTOR LIST			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
СО						EC. Engr Calc	Include documentation Include documentation		
1545						LS. Landfill Spdsht			
LEAD						TK. TANKS Program 2.3. VOC Mass Bal	Supply TANKS output Complete Form 2.3		
ШАВо						2.4. Liquid Loading	Complete Form 2.4		
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0003	No Control	99.00	0.01	2.8. Storage Pile	Complete Form 2.8		
I WIZ.J FIL	9	0.0003	NO CONTION	99.00	0.01	2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
0						2.0L. Landfill	Complete Form 2.0L		
PM CON*						are required and sh	ed, PM10 and PM25 entries above abould represent only the filterable		

FACILITY NAME				FIPS COU	FIPS COUNTY NO. PLANT NO. YEAR OF DATA			
NEW MADRI	D POWER PLA	NT MARSTON	I		143	0004	2015	
1. EMISSION	UNIT IDENTIFIC	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION						
EP-05				COAL CO	ONVEYING			
2. EMISSION	PROCESS DETA	\IL						
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION			
3		305010	11			Coal Transfer		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	No IF YES, C	COMPLETE FORM 2.0S STACK/	VENT INFORMATION			
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	7.88	For coal or fuel oil, li	st details below	
3,756	5,153.00	тс	DNS	MAR-MAY (%)	2.61	Heat Content (BTU/Fuel Unit)		
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
				27	7.55	0.00		
20.00	7.00	44	6,160.00	SEPT-NOV (%) 21	.96	SULFUR % (INCLUDE IN EF) 0.00		
5. EMISSION	CALCULATIONS							
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000		
In atmostic and							Emissions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference		
PM10 FIL *	4F	0.0006	No Control	99.00	0.01	SOURCE OF EM	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation Include documentation	
						LS. Landfill Spdsht		
LEAD						TK. TANKS Program	Supply TANKS output Complete Form 2.3	
UAD-						2.3. VOC Mass Bal	Complete Form 2.4	
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	5	0.0002	No Control	99.00	0.00	2.8. Storage Pile	Complete Form 2.8	
FIVIZ.5 FIL	5	0.0002	INO CONTION	aa.00	0.00	2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
14115						2.0L. Landfill	Complete Form 2.0L	
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above lould represent only the filterable	

FACILITY NAME				FIPS COU	FIPS COUNTY NO. PLANT NO. YEAR OF DATA			
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015	
1. EMISSION	UNIT IDENTIFICA	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION						
EP-05				COAL CO	ONVEYING			
2. EMISSION	PROCESS DETA	\IL						
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION			
4		305010)11			Coal Transfer		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X	No IF YES, C	COMPLETE FORM 2.0S STACK/	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?		
	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	7.88	For coal or fuel oil, li	st details below	
3,756	5,153.00	тс	DNS	MAR-MAY (%)	2.61	Heat Content (BTU/Fuel Unit)		
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
					7.55	0.00		
20.00	7.00	44	6,160.00	SEPT-NOV (%) 21	.96	SULFUR % (INCLUDE IN EF) 0.00		
5. EMISSION	CALCULATIONS	3						
AIR	1.	2.	3.	4.	5.	Annua	l Throughput	
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000		
							Emissions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference		
PM10 FIL *	4F	0.0013	No Control	99.00	0.02	SOURCE OF EM	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation	
						LS. Landfill Spdsht	Include documentation	
LEAD						TK. TANKS Program	Supply TANKS output Complete Form 2.3	
HAD						2.3. VOC Mass Bal	Complete Form 2.4	
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.4 Complete Form 2.7	
DM2 F EU *	5	0.0004	No Control	00.00	0.01	2.7. Haui Road 2.8. Storage Pile	Complete Form 2.8	
PM2.5 FIL *	5	0.0004	No Control	99.00	0.01	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.1. HAP Worksheet 2.9. Stack Test/CEM	Complete Form 2.9	
NUS						2.9. Stack Test/CEIW	Complete Form 2.0L	
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above lould represent only the filterable	

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015	
1. EMISSION	UNIT IDENTIFIC	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION						
EP-06				COAL C	RUSHING			
2. EMISSION	PROCESS DETA	\IL						
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION			
1		305010	10			Crushing		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	COMPLETE FORM 2.0S STACK	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	GITIVE?	Yes X No	IF FUGITI\	/E, WHAT PERCENTAG	E?		
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS	
ANNUAL THROUGHI	PUT	UNITS		DEC-FEB (%)	7.88	For coal or fuel oil, li	st details below	
3,756	5,153.00	ТС	ONS	MAR-MAY (%)	2.61	Heat Content (BTU/Fuel Unit)		
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
					7.55	0.00		
24.00	7.00	44	7,392.00	SEPT-NOV (%) 21	.96	SULFUR % (INCLUDE IN EF) 0.00		
5. EMISSION	CALCULATIONS	3						
AIR	1.	2.	3.	4.	5.	Δnnua	l Throughput	
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000		
Instructions:	0 , 4	11. (% 60	WEE: 1.1	0 1: :: (!!			Emissions (tons)	
mstructions.	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference		
PM10 FIL *	4F	0.0193	No Control	99.00	0.36	SOURCE OF E	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation	
						LS. Landfill Spdsht	Include documentation	
LEAD						TK. TANKS Program 2.3. VOC Mass Bal	Supply TANKS output Complete Form 2.3	
ШАВо						2.4. Liquid Loading	Complete Form 2.4	
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	5	0.0056	No Control	99.00	0.11	2.8. Storage Pile	Complete Form 2.8	
I WIZ.J FIL		0.0000	NO CONTION	99.00	0.11	2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
						2.0L. Landfill	Complete Form 2.0L	
PM CON*							ed, PM10 and PM25 entries above nould represent only the filterable	

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015	
1. EMISSION	UNIT IDENTIFIC	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION						
EP-07				ASH L	OADING			
2. EMISSION	PROCESS DETA	\IL						
SEG. NO.		CATION CODE (SCC)		SCC DESC	CRIPTION			
1		305010)15		Ash Loading (A	At Silos - Other thar	n the Paddle Mixer)	
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	COMPLETE FORM 2.0S STACK/	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	GITIVE?	Yes X No	IF FUGITI\	/E, WHAT PERCENTAG	E?		
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS	
ANNUAL THROUGHI	PUT	UNITS		DEC-FEB (%)	5.00	For coal or fuel oil, li	st details below	
C	0.00	ТС	ONS	MAR-MAY (%)	5.00	Heat Content (BTU/Fuel Unit)		
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
					5.00	0.00		
24.00	7.00	52	8,736.00	SEPT-NOV (%) 25	5.00	SULFUR % (INCLUDE IN EF) 0.00		
5. EMISSION	CALCULATIONS	3						
AIR	1.	2.	3.	4.	5.	Annua	I Throughput	
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emission Factor x (1-Overall Control Eff/100) ÷ 2000		
Instructions							Emissions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference		
PM10 FIL *	4F	0.0500	Controlled	0.00	0.00	SOURCE OF EM	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation	
1545						LS. Landfill Spdsht	Include documentation	
LEAD						TK. TANKS Program 2.3. VOC Mass Bal	Supply TANKS output Complete Form 2.3	
ШАВо						2.4. Liquid Loading	Complete Form 2.4	
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	5	0.0146	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8	
I WIZ.J FIL		0.0140	INO CONTION	0.00	0.00	2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
						2.0L. Landfill	Complete Form 2.0L	
PM CON*							ed, PM10 and PM25 entries above nould represent poly the filterable	

FACILITY NAME				FIPS COU	NTV NO	PLANT NO.	YEAR OF DATA		
	D POWER PLA	NT MARSTON	I	FIF3 COO	143	0004	2015		
1 EMISSION	UNIT IDENTIFIC	ATION							
EMISSION UNIT NO.									
EP-07				ASH L	OADING				
2. EMISSION	PROCESS DETA	\IL							
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION				
2		305010	15		Ash Loading (A	At Silos - Other than	the Paddle Mixer)		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION		
ARE THE EMISSION:	S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?			
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS		
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	.00	For coal or fuel oil, lis	st details below		
ر ا	0.00	T.	ONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)			
			JNO	` '	5.88	,			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '		ASH % (INCLUDE IN EF)			
					24.12 0.00				
12.00	2.00	1	24.00	SEPT-NOV (%)	.00	SULFUR % (INCLUDE IN EF)			
				0.	.00	0.00			
5. EMISSION	CALCULATIONS								
AIR POLLUTANT	1. SOURCE OF EMISSION	2. EMISSION FACTOR	3. EMISSION FACTOR(EF)	4. OVERALL CONTROL	5. ACTUAL EMISSIONS	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
	FACTOR		CONTROL STATUS	EFFICIENCY (% FORMAT)	(TONS/YR)		÷ 2000		
			CONTROL STATUS	EFFICIENCY (% FORMAT)	(TONS/YR)	= Actual E			
Instructions:	Choose from the Source of Emission Factor list	Lbs./unit of throughput	CONTROL	Combination of all capture and destruction			÷ 2000		
Instructions: PM10 FIL *	Choose from the Source of Emission		CONTROL STATUS	(% FORMAT) Combination of all capture and	(TONS/YR) If controlled, include Form 2.0C Control	= Actual E List Other Worksheets or AP-42/Other Reference	÷ 2000		
PM10 FIL *	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference	± 2000 missions (tons)		
	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN	÷ 2000 missions (tons)		
PM10 FIL *	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM	÷ 2000 missions (tons) MISSION FACTOR LIST Include documentation		
PM10 FIL *	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test	Emissions (tons) MISSION FACTOR LIST Include documentation Include documentation		
PM10 FIL *	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance	Emissions (tons) MISSION FACTOR LIST Include documentation Include documentation Include documentation		
PM10 FIL * SOx NOx	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other	Emissions (tons) MISSION FACTOR LIST Include documentation Include documentation Include documentation		
PM10 FIL * SOx NOx	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc	Emissions (tons) MISSION FACTOR LIST Include documentation Include documentation Include reference Include documentation Include documentation Include documentation Include documentation Include documentation Include documentation		
PM10 FIL * SOx NOx VOC CO	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EM 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht	# 2000 Emissions (tons) MISSION FACTOR LIST Include documentation Include documentation Include reference Include documentation		
PM10 FIL * SOx NOx VOC	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EM 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program	Emissions (tons) MISSION FACTOR LIST Include documentation Include documentation Include documentation Include reference Include documentation Include documentation Include documentation Supply TANKS output		
PM10 FIL * SOx NOx VOC CO LEAD	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal	Emissions (tons) Include documentation Include documentation Include documentation Include reference Include documentation Include documentation Include documentation Include documentation Include documentation Include documentation Include Form 2.3		
PM10 FIL * SOx NOx VOC CO	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading	Include documentation Include documentation Include documentation Include reference Include documentation Include documentation Include documentation Include documentation Include documentation Include documentation Include Form 2.3 Complete Form 2.4		
PM10 FIL * SOx NOx VOC CO LEAD HAPs	Choose from the Source of Emission Factor list at lower right 4	Lbs./unit of throughput 0.0060	If EF includes control mark "C", otherwise "U" No Control	Combination of all capture and destruction efficiencies 99.00	If controlled, include Form 2.0C Control Device Listing 0.00	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road	## 2000 ### 2000 #####################		
PM10 FIL * SOx NOx VOC CO LEAD	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	CONTROL STATUS If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	(TONS/YR) If controlled, include Form 2.0C Control Device Listing	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road 2.8. Storage Pile	Include documentation Include Form 2.3 Complete Form 2.4 Complete Form 2.7 Complete Form 2.8		
PM10 FIL * SOx NOx VOC CO LEAD HAPs PM2.5 FIL *	Choose from the Source of Emission Factor list at lower right 4	Lbs./unit of throughput 0.0060	If EF includes control mark "C", otherwise "U" No Control	Combination of all capture and destruction efficiencies 99.00	If controlled, include Form 2.0C Control Device Listing 0.00	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road 2.8. Storage Pile 2.T. HAP Worksheet	Include documentation Include documentation Include documentation Include documentation Include reference Include documentation Include documentation Include documentation Include documentation Include documentation Include documentation Include Form 2.3 Complete Form 2.4 Complete Form 2.7 Complete Form 2.7 Complete Form 2.8 Complete Form 2.T		
PM10 FIL * SOx NOx VOC CO LEAD HAPs	Choose from the Source of Emission Factor list at lower right 4	Lbs./unit of throughput 0.0060	If EF includes control mark "C", otherwise "U" No Control	Combination of all capture and destruction efficiencies 99.00	If controlled, include Form 2.0C Control Device Listing 0.00	= Actual E List Other Worksheets or AP-42/Other Reference SOURCE OF EN 1. CEM 2. Stack Test 3. Mass Balance 4. AP-42 4F. FIRE or webFIRE 5. Other EC. Engr Calc LS. Landfill Spdsht TK. TANKS Program 2.3. VOC Mass Bal 2.4. Liquid Loading 2.7. Haul Road 2.8. Storage Pile	Include documentation Include Form 2.3 Complete Form 2.4 Complete Form 2.7 Complete Form 2.8		

FACILITY NAME				FIPS COU	INTY NO.	PLANT NO.	YEAR OF DATA
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015
1. EMISSION	UNIT IDENTIFIC	ATION		•		_	•
EMISSION UNIT NO.	EMISSION UNIT DE	SCRIPTION					
EP-08				GASOLIN	E STORAGE		
2. EMISSION	PROCESS DETA	AIL					
SEG. NO.		ICATION CODE (SCC)		SCC DES	CRIPTION		
2		404001	07	Gasoli	ine RVP 13: W	orking Loss (Diam. Tank	Independent) - Fixed Roof
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	COMPLETE FORM 2.0S STACK	VENT INFORMATION
ARE THE EMISSION	S FROM THIS UNIT FUG	GITIVE?	Yes X No	IF FUGITI	VE, WHAT PERCENTAG	E?	
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL	CHARACTERISTICS
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	3.58	For coal or fuel oil, I	ist details below
1	8.81	1000 G	ALLONS	MAR-MAY (%)	3.65	Heat Content (BTU/Fuel Unit)	
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)	
1.001.0,2,1.	571.67112211			` '	5.12	7.61.7.6 (0.00
2.00	7.00	52	728.00	SEPT-NOV (%)	7.65	SULFUR % (INCLUDE IN EF	0.00
5. EMISSION	CALCULATIONS	3					
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100 ÷ 2000	
Instructions:	0, , ,	11 (5 (0))	WEE: I I	0 1: " (!!		.	Emissions (tons)
instructions.	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets of AP-42/Other Reference	
PM10 FIL *						SOURCE OF E	MISSION FACTOR LIST
SOx						1. CEM	Include documentation
						2. Stack Test	Include documentation
NOx						3. Mass Balance	Include documentation
						4. AP-42	Include reference
voc	4F	10.0000	No Control	0.00	0.09	4F. FIRE or webFIRE	
						5. Other	Include documentation
СО						EC. Engr Calc	Include documentation
						LS. Landfill Spdsht	Include documentation
LEAD						TK. TANKS Program	Supply TANKS output
						2.3. VOC Mass Bal	Complete Form 2.3
HAPs						2.4. Liquid Loading	Complete Form 2.4
						2.7. Haul Road	Complete Form 2.7
PM2.5 FIL *					1	2.8. Storage Pile	Complete Form 2.8 Complete Form 2.T
						2.T. HAP Worksheet	·
NH3					1	2.9. Stack Test/CEM 2.0L. Landfill	Complete Form 2.9 Complete Form 2.0L
PM CON*						* If PM CON is repor are required and sl	ted, PM10 and PM25 entries above hould represent only the filterable

FACILITY NAME NEW MADRI	D POWER PLA	ANT MARSTON	I	FIPS COU	NTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015			
1 FMISSION I	UNIT IDENTIFIC	ATION								
EMISSION UNIT NO.										
EP-08				GASOLIN	E STORAGE					
2. EMISSION I	PROCESS DETA	AIL.								
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DES	CRIPTION					
1		404001	01	Gas	Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank					
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	OMPLETE FORM 2.0S STACK/V	ENT INFORMATION			
	S FROM THIS UNIT FUG		Yes X No	IF FUGITI	/E, WHAT PERCENTAG	E?				
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS			
ANNUAL THROUGHE	PUT	UNITS		DEC-FEB (%)	5.00	For coal or fuel oil, lis	t details below			
18	3.81	1000 G	ALLONS	MAR-MAY (%)	5.00	Heat Content (BTU/Fuel Unit)				
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	. ,	. 00	ASH % (INCLUDE IN EF)	0.00			
					5.00		0.00			
24.00	7.00	52	8,736.00	SEPT-NOV (%)	5.00	SULFUR % (INCLUDE IN EF) 0.00				
5. EMISSION (CALCULATIONS	3								
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)					
						= Actual E	missions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference	•			
PM10 FIL *						SOURCE OF EM	ISSION FACTOR LIST			
SOx						1. CEM	Include documentation			
					<u></u>	2. Stack Test	Include documentation			
NOx						3. Mass Balance	Include documentation			
						4. AP-42	Include reference			
VOC	4F	30.5000	No Control	0.00	0.29	4F. FIRE or webFIRE 5. Other	Include documentation			
СО						EC. Engr Calc	Include documentation			
						LS. Landfill Spdsht	Include documentation			
LEAD						TK. TANKS Program	Supply TANKS output			
LLAD						2.3. VOC Mass Bal	Complete Form 2.3			
HAPs						2.4. Liquid Loading	Complete Form 2.4			
IIAI S						2.7. Haul Road	Complete Form 2.7			
PM2.5 FIL *						2.8. Storage Pile	Complete Form 2.8			
						2.T. HAP Worksheet	Complete Form 2.T			
NH3						2.9. Stack Test/CEM	Complete Form 2.9			
'						2.0L. Landfill	Complete Form 2.0L			
PM CON*						* If PM CON is reported	d, PM10 and PM25 entries above uld represent only the filterable			

FIPS COUNTY NO.					DI ANT NO	YEAR OF DATA	
D POWER PLA	NT MARSTON	I	1173 000	143	0004	2015	
INIT IDENTIFIC	ATION						
			BARGE DIE	ESEL PUMPS			
PROCESS DETA	\IL						
SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION			
	202001	02			Reciprocating		
FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X	No IF YES, C	OMPLETE FORM 2.0S STACK/\	ENT INFORMATION	
S FROM THIS UNIT FUG	ITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?		
G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS	
PUT	UNITS		DEC-FEB (%)		For coal or fuel oil. lis	t details below	
			25	5.00	,		
.00	1000 G	ALLONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)		
.00	1000 G	ALLONG	` '	5.00	, ,	000,000.00	
DAVEAMETY	WEEKSALAB	TOTAL HOURSONEAS			· ·	•	
DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	, ,				
			_				
1.00	52	52.00	, ,	0.00			
			25	5.00		0.00	
CALCULATIONS	;						
1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000		
					= Actual E	missions (tons)	
Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference	, ,	
4F	42.5000	No Control	0.00	0.00	SOURCE OF EM	ISSION FACTOR LIST	
4F	39.7000	No Control	0.00	0.00	1. CEM	Include documentation	
					2. Stack Test	Include documentation	
4F	604.0000	No Control	0.00	0.00	3. Mass Balance	Include documentation	
					4. AP-42	Include reference	
4F	49.3000	No Control	0.00	0.00	4F. FIRE or webFIRE		
					5. Other	Include documentation	
4F	130.0000	No Control	0.00	0.00	EC. Engr Calc	Include documentation	
					LS. Landfill Spdsht	Include documentation	
						Supply TANKS output	
				_		Complete Form 2.3	
5	10.6919	No Control	0.00	0.00	· · · · · · · · · · · · · · · · · · ·	Complete Form 2.4	
45	10.5000	N. O. i. i.	0.00	0.00		Complete Form 2.7	
4F	42.5000	No Control	0.00	0.00		Complete Form 2.8	
				2.T. HAP Worksheet Complete Form 2.T			
						Complete Form 2.0	
					2.9. Stack Test/CEM 2.0L. Landfill	Complete Form 2.9 Complete Form 2.0L	
	EMISSION UNIT DE PROCESS DETA SOURCE CLASSIFI FROM THIS EMISSION FROM THIS UNIT FUG RATE/SCHED OUT .00 DAYS/WEEK 1.00 CALCULATIONS 1. SOURCE OF EMISSION FACTOR Choose from the Source of Emission Factor list at lower right 4F 4F 4F 4F	PROCESS DETAIL SOURCE CLASSIFICATION CODE (SCC) 202001 FROM THIS EMISSION UNIT FLOW THROUGH FROM THIS UNIT FUGITIVE? THE PUT UNITS OO 1000 G DAYS/WEEK WEEKS/YEAR 1.00 52 CALCULATIONS 1. SOURCE OF EMISSION FACTOR Choose from the Source of Emission Factor list at lower right 4F 42.5000 4F 49.3000 4F 49.3000 4F 130.0000 5 10.6919	EMISSION UNIT DESCRIPTION PROCESS DETAIL SOURCE CLASSIFICATION CODE (SCC) 20200102 FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT? S FROM THIS UNIT FUGITIVE? ON 1000 GALLONS DAYS/WEEK WEEKS/YEAR TOTAL HOURS/YEAR 1.00 52 52.00 CALCULATIONS SOURCE OF EMISSION FACTOR FACTOR Choose from the Source of Emission Factor list at lower right 4F 42.5000 No Control 4F 39.7000 No Control 4F 604.0000 No Control 4F 49.3000 No Control 4F 49.3000 No Control 4F 49.3000 No Control 4F 130.0000 No Control 4F 130.0000 No Control	Decided Deci	SARGE DIESEL PUMPS	Description Description	

MISSOURI DEPARTMENT OF NATURAL RESOURCES AIR POLLUTION CONTROL PROGRAM

EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.T HAZARDOUS AIR POLLUTANT WORKSHEET

FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
NEW MADRID POWER PLANT MARSTON	143	0004	2015
EMISSION UNIT NO.	SOURCE CLASSIFICATION CODE (SCC)		SEG. NO.
EP-09	20200102		1

Use this form to report any Hazardous Air Pollutant, or HAP, which is emitted in any amount greater than the chemical reporting levels per each emission unit. The instructions for this form provide a list of the HAPs regulated under the Clean Air Act. The amount emitted (Column 4) should be reported before control equipment reductions are applied. Provide documentation (other worksheets, etc.) if the amount in Column 3 does not equal the amount in Column 4. The HAP reporting levels per emission unit are as follows: Category 1 HAPs - sum of 20 pounds per year; All other HAPs - sum of 200 pounds per year.

pourius per year.									
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
HAP CHEMICAL	CAS NUMBER	AMOUNT USED OR HANDLED (LBS./YR.)	UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	HAP CONTROL DEVICE(S)	CONTROL EFFICIENCY (%)	CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)
1,3-Butadiene	106-99-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Acetaldehyde	75-07-0	0.00	0.00	0.00	0.00)	0.00000	0.00	0.00
Acrolein	107-02-8	0.00	0.00	0.00	0.00)	0.00000	0.00	0.00
Benzene	71-43-2	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Formaldehyde	50-00-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Isomers of xylene	1330-20-7	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Naphthalene	91-20-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Propionaldehyde	123-38-6	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Propylene oxide	75-56-9	0.00	0.00	0.00	0.00)	0.00000	0.00	0.00
Toluene	108-88-3	0.00	0.00	0.00	0.00)	0.00000	0.00	0.00
			<u>!</u>	SUM (LBS./YR.)	SUM (LBS./YR.))		SUM (LBS./YR.	SUM (LBS./YR.)
		HAI	P Emission Totals =	0.00	0.00)		0.00	0.00
		Sum of uncont	rolled emissions rep	orted as HAPs	11. HAP EMISSION FACTOR				
Uncontrolled HAP E	Uncontrolled HAP Emission Factor = (Column 6 Total)/Annual Throughpu				0.0				
Entor	the HAR emission	n factor for all cham	icals that are not re	ported as VOCs or I	DM10 from Block 11 above a	s the HAD Emission	Eactor in Soc	tion 5 on Form 2.0	

Enter the HAP emission factor for all chemicals that are not reported as VOCs or PM10 from Block 11 above as the HAP Emission Factor in Section 5 on Form 2.0.

MISSOURI DEPARTMENT OF NATURAL RESOURCES AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.1 FUEL COMBUSTION WORKSHEET

FACILITY NAME NEW MADRID POWE	R PLANT MAF	RSTON	FIPS COUN	TY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015
EMISSION UNIT NO.			SOURCE CL	ASSIFICATION C		SEG. NO.
	EP-09			202	1	
1. COMBUSTION EQUI	PMENT INFORM	MATION				
COAL FIRING CODE LIST	EC	QUIPMENT DESCRIPTION		YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEF	MAXIMUM DESIGN RATE FT) (MILLION BTU/HR.)
1. TANGENTIAL	BARGE D	IESEL PUMPS (QUANTITY-1	0) 0	1/01/2001		7.840000
2. OPPOSED						
3. FRONT						
4. DRY/WET BOTTOM						
OTHER (SPECIFY)						
			Sum	of total max	imum hourly design ra	ntes 7.8400
COMBUSTION EQUIPM	IENT USE (CHE	CK ONE)				
X Electric power gener	ration	Industrial use	Comm	nercial/Institu	itional Spa	ace heating
Other (specify):						
COMBUSTION EQUIPM	IENT CATEGOR	RY - COAL USE ONLY (CHECK	ONE)			
Pulverized coal	Pulveri	zed coal dry bottom	ulverized	coal wet bo	ttom Cyclo	one
Fluidized bed	Spread	er stoker C	overfeed s	stoker	Unde	erfeed stoker
Hand fired	X Other (specify): Barge	e Diesel P	umps		
2. FUEL INFORMATION	(CHECK ONLY	ONE)				
LIQUID FUE	LS	GASEOUS FUELS		SO	LID FUELS	OTHER
Ethanol][Blast oven gas		Anthracite (Coal	Other (specify):
X Fuel oil 1-4 (distillate	e) [Coke oven gas		Bagasse		
Fuel oil 5-6 (residual	l) [Liquid propane gas (LPG)		Bark		
Gasoline]	Natural gas		Bituminous	coal	
Kerosene				Coke		
				Lignite		
				Subbitumin	ous coal	
				Wood		
3. CALCULATION OF N	MAXIMUM HOUF	RLY DESIGN RATE				
TOTAL HEAT C		MAXIMUM HOURLY DESIG	N RATE	Ma	aximum Design Rate (mmbtu	u/hr.) X 1,000,000 (btu/mmbtu)
(BTU/FUEL I	UNII)	(FUEL UNIT/HR.)		_	Heat Content	(btu/fuel unit)
140,000,000.0	000000	0.05600				



MISSOURI DEPARTMENT OF NATURAL RESOURCES

AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.0 EMISSION UNIT INFORMATION

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA			
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015			
1 FMISSION	UNIT IDENTIFIC	ATION								
EMISSION UNIT NO.										
EP-10				Industrial - Lai	oustion Engines ge Bore Engin Fuel Fired					
2. EMISSION	PROCESS DETA	AIL .								
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION					
1		202004	101		Internal Combustion Engines Industrial - Large Bore Engine Diesel Fuel Fired					
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	X Yes	No IF YES, C	OMPLETE FORM 2.0S STACK	VENT INFORMATION			
ARE THE EMISSION	S FROM THIS UNIT FUG	GITIVE?	Yes X No	IF FUGITIV	/E, WHAT PERCENTAG	E?				
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS			
ANNUAL THROUGH		UNITS		DEC-FEB (%)		For coal or fuel oil, li				
				52	2.03	r or oddr or radi dii, ii	ot dotallo bolow			
(0.00	1000 G	ALLONS	MAR-MAY (%)	.00	Heat Content (BTU/Fuel Unit)	,000,000.00			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)	7 .97	ASH % (INCLUDE IN EF) 0.00				
24.00	7.00	6	1,008.00	SEPT-NOV (%)	.00	SULFUR % (INCLUDE IN EF) 0.00				
5. EMISSION	CALCULATIONS	3								
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	x Emi x (1-Overa	Il Throughput ssion Factor Il Control Eff/100) ÷ 2000 Emissions (tons)			
Instructions:	Choose from the	Lbs./unit of throughput	If EF includes control	Combination of all	If controlled, include	List Other Worksheets or	illissions (tons)			
	Source of Emission Factor list at lower right	,	mark "C", otherwise "U"	capture and destruction efficiencies	Form 2.0C Control Device Listing	AP-42/Other Reference				
PM10 FIL *	5 - Emission Factors provided by Engine Manufacturer	5.1480	No Control	0.00	0.00	SOURCE OF EM	MISSION FACTOR LIST			
SOx	5	35.0000	No Control	0.00	0.00	1. CEM	Include documentation			
					_	2. Stack Test	Include documentation			
NOx	5	110.8801	No Control	0.00	0.00	3. Mass Balance 4. AP-42	Include documentation Include reference			
VOC	4F	11.5000	No Control	0.00	0.00	4F. FIRE or webFIRE 5. Other	Include documentation			
СО	5	67.3200	No Control	0.00	0.00	EC. Engr Calc	Include documentation			
		0.10_00		0.00	0.00	LS. Landfill Spdsht	Include documentation			
LEAD						TK. TANKS Program	Supply TANKS output			
_						2.3. VOC Mass Bal	Complete Form 2.3			
HAPs						2.4. Liquid Loading	Complete Form 2.4			
						2.7. Haul Road	Complete Form 2.7			
PM2.5 FIL *	5	5.0240	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8			
						2.T. HAP Worksheet	Complete Form 2.T			
NH3						2.9. Stack Test/CEM	Complete Form 2.9			
						2.0L. Landfill	Complete Form 2.0L			

PM CON*			* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.

MO 780-1621 (05-10)

MISSOURI DEPARTMENT OF NATURAL RESOURCES AIR POLLUTION CONTROL PROGRAM EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.1 FUEL COMBUSTION WORKSHEET

FACILITY NAME NEW MADRID POWE	R PLANT MAF	RSTON	FIPS COU	NTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015		
EMISSION UNIT NO.	EP-10		SOURCE CLASSIFICATION CODE (SCC) SEG. NO. 1					
1. COMBUSTION EQUI	PMENT INFORM	MATION						
COAL FIRING CODE LIST		UIPMENT DESCRIPTION	YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEFT	MAXIMUM DESIGN RATE (MILLION BTU/HR.)			
1. TANGENTIAL	Temporary	y Air Compressors (non-outag	je)	01/01/2009		21.000000		
2. OPPOSED								
3. FRONT								
4. DRY/WET BOTTOM								
OTHER (SPECIFY)								
		es 21.0000						
COMBUSTION EQUIPM	IENT USE (CHE	CK ONE)						
X Electric power gener	ration	Industrial use	Comi	mercial/Institu	itional Spac	e heating		
Other (specify):								
COMBUSTION EQUIPM	IENT CATEGOR	RY - COAL USE ONLY (CHECK	ONE)					
Pulverized coal	Pulveriz	zed coal dry bottom	Pulverize	d coal wet bo	ttom Cyclon	е		
Fluidized bed	Spread	er stoker C	Overfeed	stoker	Underf	eed stoker		
Hand fired	Other (specify):						
2. FUEL INFORMATION	(CHECK ONLY	ONE)						
LIQUID FUE	LS	GASEOUS FUELS		SOLID FUELS		OTHER		
Ethanol][Blast oven gas		Anthracite (Coal	Other (specify):		
Fuel oil 1-4 (distillate	e) [Coke oven gas		Bagasse				
Fuel oil 5-6 (residual	[Liquid propane gas (LPG)		Bark				
Gasoline	[Natural gas		Bituminous	coal			
Kerosene				Coke				
				Lignite				
				Subbitumin	ous coal			
				Wood				
3. CALCULATION OF N	AXIMUM HOUF	RLY DESIGN RATE						
TOTAL HEAT C (BTU/FUEL U		MAXIMUM HOURLY DESIG (FUEL UNIT/HR.)	N RATE	= Ma	aximum Design Rate (mmbtu/r			
140,000,000.0	000000	0.15000			Heat Content (b	tu/ruer uriit)		

FACILITY NAME					NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRI	D POWER PLA	ANT MARSTON	l		143	0004	2015		
4 EMICCIONI	INIT IDENTIFIC	ATION							
EMISSION UNIT NO.	EMISSION UNIT DE								
EP-11				Truck load	I-in of fly ash				
				Truck load					
SEG. NO.	PROCESS DETA	CATION CODE (SCC)		SCC DESC	PRINTION				
	SOURCE CLASSIFI	, ,	10	SCC DESC	CRIPTION	Two ledged in of the	aab		
1		305011	. •			Truck load-in of fly			
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION		
ARE THE EMISSION:	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITI\	/E, WHAT PERCENTAG	E?	100.00		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS		
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	3.09	For coal or fuel oil, lis	st details below		
76,0	081.51	ТС	ONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)			
		<u> </u>			3.13				
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '		ASH % (INCLUDE IN EF)			
				17	7.46		0.00		
24.00	7.00	52	8,736.00	SEPT-NOV (%)		SULFUR % (INCLUDE IN EF)			
				16	0.00				
5. EMISSION	CALCULATIONS	5							
AIR	1.	2.	3.	4.	5.	Annual Throughput			
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
						= Actual E	missions (tons)		
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4 - 13.2.4	0.0005	No Control	50.00	0.01	SOURCE OF EM	MISSION FACTOR LIST		
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
СО						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
1/45						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4 Complete Form 2.7		
DM2 F FIL *	5	0.0004	No Control	E0.00	0.00	2.7. Haul Road	Complete Form 2.8		
PM2.5 FIL *	J	0.0001	No Control	50.00	0.00	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
INITS						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.		

FACILITY NAME					NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRI	D POWER PLA	ANT MARSTON	l		143	0004	2015		
1 EMISSION I	UNIT IDENTIFIC	ATION							
EMISSION UNIT NO.	EMISSION UNIT DE								
EP-12				Truck load-	out of fly ash				
	PROCESS DETA	All			<u>, , , , , , , , , , , , , , , , , , , </u>				
SEG. NO.		CATION CODE (SCC)		SCC DESC	CRIPTION				
1		305011	10		,	Ash Unloading at La	andfill		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes		OMPLETE FORM 2.0S STACK/			
					\(\int\)				
ARE THE EMISSION:	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITI\	/E, WHAT PERCENTAG	E?	100.00		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS		
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	3.09	For coal or fuel oil, lis	st details below		
76,0	081.51	тс	ONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)			
]				28	3.13				
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)			
				17	'.46		0.00		
24.00	7.00	52	8,736.00	SEPT-NOV (%)		SULFUR % (INCLUDE IN EF)			
				16.32		0.00			
5. EMISSION CALCULATIONS									
AIR	1.	2.	3.	4.	5.	Annual Throughput			
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
						= Actual E	missions (tons)		
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	0.1420	No Control	0.00	5.40	SOURCE OF EN	MISSION FACTOR LIST		
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
voc						4F. FIRE or webFIRE			
						5. Other	Include documentation		
СО						EC. Engr Calc LS. Landfill Spdsht	Include documentation Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
LLAD						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0213	No Control	0.00	0.81	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						are required and she	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.		

FACILITY NAME NEW MADRID POW	/ER PLANT I	MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015
1. STORAGE PILE INF	ORMATION					
EMISSION UNIT NO. EP-12	SOURCE CLASSIFIC	ATION CODE (SCC) 30501110	SEG. NO.	TYPE OF MATERIAL STORED	Fly ash and botton	n ash
MOISTURE CONTENT (%)	0.	70	(DEFAULT = 0.7%)	AREA OF STORAGE PILE (ACF	RES) 0.00	
SILT CONTENT (%)	1.	60	(DEFAULT = 1.6%)	RAW MATERIAL LOADING ME (CHECK ONE):	(CHECK	TERIAL UNLOADING METHOD ONE):
STORAGE DURATION (DAYS)	3	65	,	□ Rail ⊠ Truck	□Ra ⊠Tr	
ANNUAL AMOUNT STORED (To	35,75	50.799		Conveyor Other (specify)	С	onveyor ther (specify)
MAXIMUM HOURLY AMOUNT STORED (TONS) 35,750.7996						Tion (Speedily)
2. OTHER FACTORS A	AFFECTING E	MISSION RATES				
MEAN WIND SPEED (MPH)	10	0.0	(DEFAULT = 10 MPH)	% OF TIME WIND > 12 MPH	32.0	(DEFAULT = 32%)
DRY DAYS PER YEAR	2	60 (D	PEFAULT = 260 DAYS)	VEHICLE ACTIVITY FACTOR	1.000	(DEFAULT = 1.0)
3. STORAGE PILE EM	IISSION FACT	OR CALCULATIONS				
CALCULATION			FC	RMULA		RESULT
[3-A-1] Load In - Load O Component (lb./ton)	Out 0.003.	2 x .35 x (Mean wind spe	ed) / 5)^1.3 / (Mo	isture content % / 2)^1.4		0.012
[3-A-2] Vehicle Activity Comp (lb./ton)	ponent 0.05 x	(Silt content % / 1.5) x (I	Dry days per year	/ / 235) x Vehicle Activity F	actor	0.05900709
[3-A-3] Activity PM10 Emission Facto (lb./ton)		[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component				0.07100709
[3-B] Wind Erosion PM Emission Facto (lb./acre-yr.)		(Silt content % / 1.5) x (PH / 15)	Storage duration	(Days)) x (Dry days per ye	ar / 235) x (% of time win	d > 781.09654846

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage

MO 780-1446 (12-09)

Pile Information for each storage pile.

FACILITY NAME					NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRI	D POWER PLA	ANT MARSTON	1		143	0004	2015		
1 EMISSION I	UNIT IDENTIFIC	ATION							
EMISSION UNIT NO.	EMISSION UNIT DE								
EP-14				Truck load-in	of bottom ash				
2 FMISSION	PROCESS DETA	All							
SEG. NO.		CATION CODE (SCC)		SCC DESC	CRIPTION				
1		305011	10		Tı	ruck load-in of botto	m ash		
-	FROM THIS EMISSION	UNIT FLOW THROUGH	. •	Yes		OMPLETE FORM 2.0S STACK/			
ARE THE EMISSION:	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITI\	/E, WHAT PERCENTAG	E?	100.00		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS		
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	5.00	For coal or fuel oil, lis	st details below		
	0.00	TC TC	ONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)			
			,	25	5.00				
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)			
				25	5.00		0.00		
24.00	7.00	52	8,736.00	SEPT-NOV (%)		SULFUR % (INCLUDE IN EF)			
				25	5.00		0.00		
5. EMISSION CALCULATIONS									
AIR	1.	2.	3.	4.	5.	Annual Throughput			
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
						= Actual E	missions (tons)		
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4 - 13.2.4	0.0008	No Control	0.00	0.00	SOURCE OF EM	MISSION FACTOR LIST		
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
voc						4F. FIRE or webFIRE			
						5. Other	Include documentation		
СО						EC. Engr Calc LS. Landfill Spdsht	Include documentation Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
LEAD						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0002	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						are required and she	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.		

FACILITY ALL PARTY NO PARTY										
ENSISTION PROCESS DETAIL		ID POWER PLA	ANT MARSTON		FIPS COU					
EMBISSION PROCESS DETAIL	4 EMICCION	INIT IDENTIFIC	ATION							
Part		_								
2. EMISSION PROCESS DETAIL SIGNIFICATION SOURCE CASSIFICATION CODE (SCC)		Elwicolol Clair BE	Sortii Hort		Truck load-ou	it of hottom ask	า			
SEG. NO.		DDOOESS DETA	\		Truck load oc	TO DOTTOTT ASI	1			
1 30501110 Truck load-out of bottom ash DOTHE EMISSIONS FROM THIS DEMISSION UNIT FLOW THROUGH A STACK OR VENT? Yes Yes No					SCC DESC	PRIDTION				
DOTHE BURSSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENTT		SOUNCE CLASSII I	, ,	10	300 DE30					
ARE THE EMISSIONS FROM THIS UNIT FLORITIVE? Yes										
A. ANNUAL FUEL CHARACTERISTICS						<u></u>				
MARIAL THROUGHPUT	ARE THE EMISSION	S FROM THIS UNIT FUG	ittive?	Yes No	IF FUGITIV	/E, WHAT PERCENTAG	E?	100.00		
APP	3. OPERATIN	G RATE/SCHED	-				4. ANNUAL FUEL	CHARACTERISTICS		
HOURSIDAY DAYSWEEK WEEKSYEAR TOTAL HOURSYEAR 25.00 ASH % (INCLUDE IN EF) 0.00	ANNUAL THROUGH	PUT	UNITS		, ,	5.00	For coal or fuel oil,	list details below		
DAYSWEEK WEEKSYEAR TOTAL HOURSYEAR 25.00 ASH % (INCLUDE IN EF) 0.00	(0.00	ТС	DNS	` '	. 00	Heat Content (BTU/Fuel Unit))		
24.00					25	5.00				
### Source of Emission Source of Emission Factor Status Stat	HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '	5.00	ASH % (INCLUDE IN EF)	0.00		
### Source of Emission Source of Emission Factor Sourc	24.00	7.00	52	9 726 00	SEPT-NOV (%)		SULFUR % (INCLUDE IN FE	7)		
AIR POLLUTANT SOURCE OF EMISSION FACTOR EMISSION FACTOR FACTOR (EF) CONTROL STATUS Instructions: Choose from the Source of Emission Factor with Emissions of Factor of Emission Factor with Emissions of Emissions of Factor of Emission Factor of Emissions of Factor of Emission Factor of Emissions of of Emission	24.00	7.00	32	0,730.00	, ,		002. 01. 72 (11.02.02.2 11.1.2.1	,		
POLLUTANT SOURCE OF EMISSION FACTOR EMISSION FACTOR	5. EMISSION	CALCULATIONS	3							
Instructions: Choose from the Source of Emission Factor is at lower right. PM10 FIL * 28 0.0710 No Control 0.00 0.00 SOURCE OF EMISSION FACTOR LIST SOX		SOURCE OF EMISSION	EMISSION	EMISSION FACTOR(EF) CONTROL	OVERALL CONTROL EFFICIENCY	ACTUAL EMISSIONS	x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
Source of Emission Factor ist at lower right PM10 FIL* 28 0.0710 No Control 0.00 0.00 SOURCE OF EMISSION FACTOR LIST 1. CEM Include documentation include documentation 2. Stack Test include documentation 3. Mass Balance Include documentation 4. AP-42 include reference PVOC VOC 4F. FIRE or webFIRE 5. Other include documentation 5. Other include documentation 1. CEM Include documen	Instructions:	0 ()		WEE: 1.1	0 1: :: (!!			· ,		
PM10 FIL * 28	manuchons.	Source of Emission Factor list	Lbs./unit of throughput	mark "C",	capture and destruction	Form 2.0C Control				
NOx	PM10 FIL *	ŭ	0.0710	No Control		0.00	SOURCE OF E	MISSION FACTOR LIST		
NOx	SOx						1. CEM	Include documentation		
NOC							2. Stack Test	Include documentation		
VOC	NOx						3. Mass Balance	Include documentation		
CO							4. AP-42	Include reference		
EC. Engr Calc Include documentation LS. Landfill Spdsht Include documentation Include documentation LS. Landfill Spdsht Include documentation Include documen	VOC						4F. FIRE or webFIRE			
LEAD										
LEAD	СО									
HAPs										
HAPs 2.4. Liquid Loading 2.7. Haul Road Complete Form 2.4 Complete Form 2.7 PM2.5 FIL * 5 0.0107 No Control 0.00 0.00 2.8. Storage Pile 2.T. HAP Worksheet Complete Form 2.8 Complete Form 2.7 NH3 2.9. Stack Test/CEM 2.0L. Landfill Complete Form 2.9 Complete Form 2.0L PM CON* * If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable	LEAD									
PM2.5 FIL * 5 0.0107 No Control 0.00 0.00 2.8. Storage Pile 2.7. HAP Worksheet Complete Form 2.8 Complete Form 2.8 Complete Form 2.7. NH3 2.9. Stack Test/CEM 2.9. Stack Test/CEM 2.0L. Landfill Complete Form 2.0L Complete Form 2.0L PM CON* *If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable								· ·		
PM2.5 FIL * 5 0.0107 No Control 0.00 0.00 2.8. Storage Pile 2.7. HAP Worksheet Complete Form 2.8 Complete Form 2.7. NH3 2.9. Stack Test/CEM 2.9. Stack Test/CEM 2.0L. Landfill Complete Form 2.9. Complete Form 2.0L PM CON* *If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable	HAPs						<u>-</u>			
NH3 2.T. HAP Worksheet Complete Form 2.T 2.9. Stack Test/CEM Complete Form 2.9 2.0L. Landfill Complete Form 2.0L PM CON* *If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable	DMO 5 EU ±	F	0.0407	No Cartes	0.00	0.00		·		
NH3 2.9. Stack Test/CEM Complete Form 2.9 2.0L. Landfill Complete Form 2.0L PM CON* * If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable	PIVIZ.5 FIL *	5	0.0107	No Control	0.00	0.00				
PM CON* 2.0L. Landfill Complete Form 2.0L *If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable	NILIO							•		
PM CON* * If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable	NM3									
	PM CON*						* If PM CON is repor are required and s	ted, PM10 and PM25 entries above hould represent only the filterable		

FACILITY NAME	CILITY NAME			FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRID PO	WER PL	ANT MARSTON		143	0004	2015	
1. STORAGE PILE IN	NFORMA	TION					
EMISSION UNIT NO.	SOURCE C	CLASSIFICATION CODE (SCC)	SEG. NO.	TYPE OF MATERIAL STORED			
EP-15		30501110	1	Bottom ash			
MOISTURE CONTENT (%)				AREA OF STORAGE PILE (ACRE	S)		
		0.70		0.00			
		(DE	FAULT = 0.7%)				
SILT CONTENT (%)		4.60		RAW MATERIAL LOADING METHOD (CHECK ONE): RAW MATERIAL UNLOADING METHOD (CHECK ONE):			
		1.60					
		(DE	FAULT = 1.6%)	∐ Barge	rge		
STORAGE DURATION (DAYS	S)	005		Rail	il		
		365		▼Truck	uck		
ANNUAL AMOUNT STORED	(TONS)			Conveyor		onveyor	
		0.000		l —	l —	•	
MAXIMUM HOURLY AMOUNT STORED (TONS)				Other (specify)	LI Ot	her (specify)	
		0.0000					
2. OTHER FACTORS	S AFFEC	TING EMISSION RATES					
MEAN WIND SPEED (MPH)	-			% OF TIME WIND > 12 MPH			
		10.0			32.0		
		(DEFA	ULT = 10 MPH)			(DEFAULT = 32%)	
DRY DAYS PER YEAR		000		VEHICLE ACTIVITY FACTOR	4.000		
		260	T = 260 DAYS)		1.000	(DEFAULT = 1.0)	
3. STORAGE PILE E	MISSION	I FACTOR CALCULATIONS	-1 = 200 DA10)			(DELAGET = 1.0)	
CALCULATIO			FO	RMULA		RESULT	
[3-A-1]							
Load In - Load	Out	0.0032 x .35 x (Mean wind speed) /	5)^1 3 / (Mo	isture content % / 2\^1 4		0.012	
Component	t	0.0002 x .50 x (Weart wind speed) /	0) 1.07 (1010	10tare content 70 / 2) 1.4			
(lb./ton)							
[3-A-2]							
Vehicle Activity Cor	mponent	0.05 x (Silt content % / 1.5) x (Dry da	ays per year	r / 235) x Vehicle Activity Fac	ctor	0.05900709	
(lb./ton)							
[3-A-3]							
_Activity PM10 [3-A-1] Load In - Load Out Component + [3-A-				Vehicle Activity Component	•	0.07100709	
Emission Factor				vernole neuvity compension	•		
(lb./ton)							
[3-B]							
Wind Erosion P		0.85 x (Silt content % / 1.5) x (Storage 12 MPH / 15)	ge duration	(Days)) x (Dry days per year	r / 235) x (% of time wind	781.09654846	
Emission Fact (lb./acre-yr.)		12 1911 117 10)					
(ib./acie-yl.)	,						

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage

MO 780-1446 (12-09)

Pile Information for each storage pile.

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA			
NEW MADRI	D POWER PLA	ANT MARSTON			143	0004	2015			
1. EMISSION DEMISSION UNIT NO.	UNIT IDENTIFICA									
	EMISSION UNIT DE	SCRIPTION		004						
FE-01				COA	L PILE					
	PROCESS DETA									
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC						
1		305010	143		Open St	torage Pile: Coal (W	ind Erosion)			
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	No IF YES, C	COMPLETE FORM 2.0S STACK/	VENT INFORMATION			
ARE THE EMISSION:	S FROM THIS UNIT FUG	SITIVE?	Yes No	IF FUGITI\	/E, WHAT PERCENTAG	E?	100.00			
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS			
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	5.00	For coal or fuel oil, lis	st details below			
3,	6.41	^_	RES	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)				
31	0.41	Α.Ο	INLO	` '	5.00	,				
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '		ASH % (INCLUDE IN EF)				
					5.00		0.00			
24.00	7.00	52	8,736.00	SEPT-NOV (%)		SULFUR % (INCLUDE IN EF) 0.00				
				20	25.00 0.00					
5. EMISSION	CALCULATIONS	3								
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000				
						= Actual E	missions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference				
PM10 FIL *	28	781.0965	No Control	50.00	7.11	SOURCE OF EM	MISSION FACTOR LIST			
SOx						1. CEM	Include documentation			
						2. Stack Test	Include documentation			
NOx						3. Mass Balance	Include documentation			
						4. AP-42	Include reference			
VOC						4F. FIRE or webFIRE				
						5. Other	Include documentation			
co						EC. Engr Calc	Include documentation			
						LS. Landfill Spdsht	Include documentation			
LEAD						TK. TANKS Program	Supply TANKS output			
						2.3. VOC Mass Bal	Complete Form 2.3			
HAPs						2.4. Liquid Loading	Complete Form 2.4 Complete Form 2.7			
D140 5 511 11	-	447.4050	Ni O i i	50.00	4.07	2.7. Haul Road	·			
PM2.5 FIL *	5	117.1650	No Control	50.00	1.07	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.8 Complete Form 2.T			
МПЭ						2.1. HAP Worksheet 2.9. Stack Test/CEM	Complete Form 2.9			
NH3						2.9. Stack Test/CEIVI	Complete Form 2.0L			
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.			

NEW MADRID POW	EW MADRID POWER PLANT MARSTON				PLANT NO. 0004	YEAR OF DATA 2015
1. STORAGE PILE INF	FORMA	TION				
EMISSION UNIT NO. S	SOURCE C	LASSIFICATION CODE (SCC) 30501043	SEG. NO.	TYPE OF MATERIAL STORED	COAL	
MOISTURE CONTENT (%)		0.70	FAULT = 0.7%)	AREA OF STORAGE PILE (ACRE	0.00	
SILT CONTENT (%)		1.60	FAULT = 1.6%)	RAW MATERIAL LOADING METH (CHECK ONE):	(CHECK C	ERIAL UNLOADING METHOD NE):
STORAGE DURATION (DAYS)		365		☐ Rail ☐ Truck	Ra	
ANNUAL AMOUNT STORED (T		9,295,033.000		Conveyor	⊠co	nveyor
MAXIMUM HOURLY AMOUNT STORED (TONS) 856,884.0000				Other (specify) SCRAPERS, DOZEF		her (specify)
2. OTHER FACTORS	AFFEC	TING EMISSION RATES				
MEAN WIND SPEED (MPH)		10.0	ULT = 10 MPH)	% OF TIME WIND > 12 MPH	32.0	(DEFAULT = 32%)
DRY DAYS PER YEAR		260	T = 260 DAYS)	VEHICLE ACTIVITY FACTOR	1.000	(DEFAULT = 1.0)
3. STORAGE PILE EM	IISSION	FACTOR CALCULATIONS	,			,
CALCULATION	1		FO	RMULA		RESULT
[3-A-1] Load In - Load C Component (lb./ton)	Out	0.0032 x .35 x (Mean wind speed) /	5)^1.3 / (Mo	isture content % / 2)^1.4		0.012
[3-A-2] Vehicle Activity Com _l (lb./ton)	ponent	0.05 x (Silt content % / 1.5) x (Dry da	ays per year	· / 235) x Vehicle Activity Fa	ctor	0.05900709
[3-A-3] Activity PM10 Emission Facto (lb./ton)		[3-A-1] Load In - Load Out Compone	0.07100709			
[3-B] Wind Erosion PM Emission Facto (lb./acre-yr.)		0.85 x (Silt content % / 1.5) x (Storag 12 MPH / 15)	ge duration	(Days)) x (Dry days per year	r / 235) x (% of time wind	781.09654846

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage

MO 780-1446 (12-09)

Pile Information for each storage pile.

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRI	D POWER PLA	ANT MARSTON			143	0004	2015		
4 5141001011	INIT IDENTIFIC	ATION							
1. EMISSION UNIT NO.	EMISSION UNIT DE								
	LIVII 3 SION ON IT DE	SCICIF HON		CO 4	L PILE				
FE-01				COA	L PILE				
	PROCESS DETA			T					
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC		0. 5	(4		
2		305020	007		Oper	n Storage Pile: Coal	(Activity)		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION		
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITIV	/E, WHAT PERCENTAG	E?	100.00		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS		
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	5.00	For coal or fuel oil, lis	st details below		
8,270	,601.00	ТС	ONS	MAR-MAY (%)	5.00	Heat Content (BTU/Fuel Unit)			
					7.00				
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '	5.00	ASH % (INCLUDE IN EF)	0.00		
40.00							0.00		
12.00	3.50	22	924.00	SEPT-NOV (%) 25.00		SULFUR % (INCLUDE IN EF) 0.00			
AIR	CALCULATIONS 1.	2.	3.	4.	5.	.	. .		
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000			
Instructions:	0		WEE: 1.1	0 1: :: (!!			missions (tons)		
manuchons.	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	0.0167	No Control	50.00	34.57	SOURCE OF EM	MISSION FACTOR LIST		
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
СО						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
1/45						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4 Complete Form 2.7		
DM2 F FIL *	5	0.0025	No Control	E0.00	E 47	2.7. Haul Road	Complete Form 2.8		
PM2.5 FIL *	J	0.0025	No Control	50.00	5.17	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
INITS						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.		

FACILITY NAME NEW MADRID POWER	R PLANT MARSTON		FIPS COUNTY NO.	PLANT NO. 0004	YEAR OF DATA 2015	
1. STORAGE PILE INFOR	RMATION					
EMISSION UNIT NO. SOU FE-01	RCE CLASSIFICATION CODE (SCC) 30502007	SEG. NO.	TYPE OF MATERIAL STORED	COAL & COKE	:	
MOISTURE CONTENT (%)	0.70	(DEFAULT = 0.7%)	AREA OF STORAGE PILE (ACRES) 0.00			
SILT CONTENT (%)	1.60	(DEFAULT = 1.6%)	RAW MATERIAL LOADING ME (CHECK ONE):	ERIAL UNLOADING METHOD NE): ITGE		
STORAGE DURATION (DAYS) 365			Rail Truck	□Ra □Tr	iil uck	
ANNUAL AMOUNT STORED (TONS) 9,295,033.000 MAXIMUM HOURLY AMOUNT STORED (TONS)			Conveyor Other (specify)		onveyor her (specify)	
	856,884.0000		SCRAPERS, DOZI			
	FECTING EMISSION RATES		T			
MEAN WIND SPEED (MPH) 10.0 (DEFAULT = 10 MPH)			% OF TIME WIND > 12 MPH	32.0	(DEFAULT = 32%)	
DRY DAYS PER YEAR	260 (DEF/	AULT = 260 DAYS	VEHICLE ACTIVITY FACTOR	0.080	(DEFAULT = 1.0)	
3. STORAGE PILE EMISS	SION FACTOR CALCULATIONS					
CALCULATION		FC	DRMULA		RESULT	
[3-A-1] Load In - Load Out Component (lb./ton)	0.0032 x .35 x (Mean wind speed) / 5)^1.3 / (Mc	oisture content % / 2)^1.4		0.012	
[3-A-2] Vehicle Activity Compor (lb./ton)	ent 0.05 x (Silt content % / 1.5) x (Dry	/ days per yea	r / 235) x Vehicle Activity F	Factor	0.00472057	
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Compo	ent	0.01672057			
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	0.85 x (Silt content % / 1.5) x (Sto 12 MPH / 15)	orage duration	(Days)) x (Dry days per ye	ear / 235) x (% of time wind	781.09654846	

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage

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Pile Information for each storage pile.

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA		
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015		
1 EMISSION	UNIT IDENTIFICA	ATION							
EMISSION UNIT NO.	EMISSION UNIT DE								
FE-02				НΔШ	ROAD				
	DDOOFGO DETA			11/101	INOND				
SEG. NO.	PROCESS DETA	CATION CODE (SCC)		SCC DESC	PRINTION				
	SOURCE CLASSIFI	, ,	14.4	SCC DESC	CRIPTION	Haviliaa			
1		305020				Hauling			
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	No IF YES, C	OMPLETE FORM 2.0S STACK	VENT INFORMATION		
ARE THE EMISSION:	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITI\	/E, WHAT PERCENTAG	E?	100.00		
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS		
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	'.88	For coal or fuel oil, li	st details below		
1,4	85.00	MI	LES	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)			
				22	2.61				
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)			
				27	7.55		0.00		
24.00	7.00	52	8,736.00	SEPT-NOV (%)		SULFUR % (INCLUDE IN EF)			
				21	.96	0.00			
5. EMISSION	CALCULATIONS	3							
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	x Emi x (1-Overa	Annual Throughput x Emission Factor ·Overall Control Eff/100) ÷ 2000		
				,		= Actual F	Emissions (tons)		
Instructions:	Choose from the	Lbs./unit of throughput	If EF includes control	Combination of all	If controlled, include	E List Other Worksheets or			
	Source of Emission Factor list at lower right		mark "C", otherwise "U"	capture and destruction efficiencies	Form 2.0C Control Device Listing	AP-42/Other Reference			
PM10 FIL *	27	1.9909	No Control	50.00	0.74	SOURCE OF EM	MISSION FACTOR LIST		
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
СО						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4 Complete Form 2.7		
DM2 F FIL *	27	0.4004	No Control	E0.00	0.07	2.7. Haul Road	Complete Form 2.8		
PM2.5 FIL *	21	0.1991	No Control	50.00	0.07	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.T		
NH3							· ·		
NUS						2.9. Stack Test/CEM Complete Form 2.9 2.0L. Landfill Complete Form 2.0L			
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above lould represent only the filterable and filterable PM25.		

FACILITY NAME NEW MADRID I	POWER PLANT MA	RSTON		FIPS COUNTY NO. PLANT NO. YEAR 143 0004			YEAR OF DATA 2015	
INSTRUCTIONS								
This worksheet	If the sum of all Vehicleshould be marked as			facility is less	than 100, th	nis form is not necess	ary and the emission unit	
is optional			the same as last year anter the current annual \				ed (AP-42, Section 13.2.2,	
Do not calculate a	•	ctor for eac	ch vehicle class. Use th	e weighted av	erage for t	ne entire fleet traveling	g the haul road to calculate	
1. HAUL ROAD II	NFORMATION							
EMISSION UNIT NO.	-E-02	SOURCE CL	ASSIFICATION CODE (SCC) 30502011	SEG. NO.	Type of I	Oust Control	Control Efficiency	
LENGTH OF ROAD (MIL	ES): IF ONE-WAY, DIVIDE BY 2				Pave	ed with Washing	95%	
		0.2500			Pave	ed	90%	
SILT CONTENT (%) (DE	FAULT = 8.3%)		SURFACE MATERIAL OF ROA	D	Surfa	actant Spray	90%	
	8.300		CRUSHED RO	CK SLAG	☐ Wate	er Spray Documented	90%	
DAYS OF RAIN WITH AT	LEAST 0.01" PER YEAR (DEF	AULT = 105)			× Wate	er Spray	50%	
		105			Othe	er - Specify		
					□ No C	Controls	0%	
2. HAUL TRUCK	INFORMATION							
MAKE/MODEL				UNLOADED TRU	ICK WEIGHT (TO	ONS) - WEIGHTED AVERAGE F	OR FLEET	
	TRUC	CK				15.00		
AVERAGE WEIGHT OF	MATERIAL PER LOAD (TONS)	10		AVERAGE LOADED WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET				
	20.00)U		35.00				
3. MATERIAL HA	_			·				
TYPE OF MATERIALS H	AULED SLA(2		ANNUAL AMOUN	IT HAULED (TOI	59,400.0000		
4 041 0111 47101			TDAVELED			33,400.0000		
ANNUAL VMT	N OF ANNUAL VEHIC	LE MILES	IRAVELED	T	. 2,	v (Length of road) v (A	Annual amount hauled)	
ANNOVE VIVI	1,485.0	00		Annual VMT	= =	(Average weight of		
5. CALCULATION	N OF HAUL ROAD UI	NCONTRO	LLED EMISSION FACT	ΓOR				
PM2.5 EMISSIC FACTOR	Unloaded truck weight + Load	ed truck weight (to	ons)) / 6] ^ 0.48	5 x [(365 - Days of Rain) / 36	PM2.5 EMISSION FACTOR 0.19			
PM10 EMISSIO FACTOR	N 1.5 x [Silt Content % /	12] ^ 0.9 x [(U	Inloaded truck weight + Loade	paded truck weight (tons)) / 6] ^ 0.45 x [(365 - Days of Rain) / 365] PM10 EMISSION FACTOR 1.99				

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FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA			
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015			
4 =14001011		471011								
1. EMISSION OF THE PROPERTY OF	EMISSION UNIT DE									
	EMISSION UNIT DE	SCRIPTION		A O. I. I. I.	II OADINIO					
FE-03				ASH UN	ILOADING					
	PROCESS DETA									
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC						
1		305010	800		Ash Unlo	ading at Pond (Alt.	Op. Scenario)			
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION			
ARE THE EMISSION:	S FROM THIS UNIT FUG	SITIVE?	Yes No	IF FUGITI\	/E, WHAT PERCENTAG	E?	100.00			
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS			
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)		For coal or fuel oil, li	st details below			
				27	'.88					
	0.00	тс	ONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)				
				22	2.61					
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)				
TIOONO/B/N	DATIO, WEEK	WEEKS/TE/KK	TOTAL HOOKO, TEAK	` '	'.55	NOT 70 (IN OLOBE IIV EI)	0.00			
24.00	7.00	44	7,392.00	SEPT-NOV (%)	06	SULFUR % (INCLUDE IN EF)	0.00			
				21	21.96 0.00					
5. EMISSION	CALCULATIONS	3								
AIR POLLUTANT	1. SOURCE OF EMISSION	2. EMISSION FACTOR	3. EMISSION FACTOR(EF)	4. OVERALL CONTROL	OVERALL ACTUAL x Emission Factor					
	FACTOR	TACTOR	CONTROL STATUS	EFFICIENCY (% FORMAT)	(TONS/YR)	x (1-Overall Control Eff/100) ÷ 2000				
						= Actual E	missions (tons)			
Instructions:	Choose from the	Lbs./unit of throughput	If EF includes control	Combination of all	If controlled, include	List Other Worksheets or				
	Source of Emission Factor list at lower right		mark "C", otherwise "U"	capture and destruction efficiencies	Form 2.0C Control Device Listing	AP-42/Other Reference				
PM10 FIL *	4F	0.0060	No Control	50.00	0.00	SOURCE OF EM	MISSION FACTOR LIST			
SOx						1. CEM	Include documentation			
						2. Stack Test	Include documentation			
NOx						3. Mass Balance	Include documentation			
						4. AP-42	Include reference			
VOC						4F. FIRE or webFIRE				
						5. Other	Include documentation			
СО						EC. Engr Calc	Include documentation			
						LS. Landfill Spdsht	Include documentation			
LEAD						TK. TANKS Program	Supply TANKS output			
						2.3. VOC Mass Bal	Complete Form 2.3			
HAPs						2.4. Liquid Loading	Complete Form 2.4			
						2.7. Haul Road	Complete Form 2.7			
PM2.5 FIL *	5	0.0018	No Control	50.00	0.00	2.8. Storage Pile	Complete Form 2.8			
						2.T. HAP Worksheet	Complete Form 2.T			
NH3						2.9. Stack Test/CEM	Complete Form 2.9			
D16 0 0 0 0 0 0						2.0L. Landfill	Complete Form 2.0L			
PM CON*						are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.			

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015	
. =		.=						
1. EMISSION EMISSION UNIT NO.	EMISSION UNIT DE							
	EINISSION UNIT DE	SCRIPTION	Davi					
FE-04			Pav	red haul road to	landfill (fly ash	i only)		
	PROCESS DETA							
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DES				
1		305010)24		Paved h	naul road to landfill (fly ash only)	
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	X No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITI	VE, WHAT PERCENTAG	E?	100.00	
3. OPERATIN	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)		For coal or fuel oil, lis	st details below	
				38	3.09			
3.9	18.20	MI	LES	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)		
				28	3.13			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
				17	7.46	NaN		
24.00	7.00	52	8,736.00	SEPT-NOV (%)				
24.00	7.00	02	0,700.00	16	6.32	0.00		
F EMISSION	CALCUL ATIONS	<u> </u>						
AIR	CALCULATIONS 1.	2.	3.	4.	5.	Annua	l Throughput	
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x Emis	ssion Factor Il Control Eff/100) - 2000	
						= Actual E	missions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	` '		
PM10 FIL *	27	0.0993	No Control	0.00	0.19	SOURCE OF EM	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
JOX						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation	
						LS. Landfill Spdsht	Include documentation	
LEAD						TK. TANKS Program	Supply TANKS output	
						2.3. VOC Mass Bal	Complete Form 2.3	
HAPs						2.4. Liquid Loading	Complete Form 2.4	
		0.555				2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	27	0.0099	No Control	0.00	0.02	2.8. Storage Pile	Complete Form 2.8 Complete Form 2.T	
ALL IC						2.T. HAP Worksheet	· ·	
NH3						2.9. Stack Test/CEM 2.0L. Landfill	Complete Form 2.9 Complete Form 2.0L	
PM CON*							ed, PM10 and PM25 entries above	
F IVI COIN						are required and sho	ould represent only the filterable and filterable PM25.	

FACILITY NAME NEW MADRID P	OWER PLANT MA	RSTON		FIPS COUNTY NO. PLANT NO. YEAR 143 0004			YEAR OF DATA 2015		
INSTRUCTIONS									
This worksheet	If the sum of all Vehic should be marked as			e facility is less than 100, this form is not necessary and the emission unit					
is optional			the same as last year anter the current annual V				d (AP-42, Section 13.2.2,		
Do not calculate a the emission factor	•	ctor for eac	th vehicle class. Use the	e weighted a	verage for t	he entire fleet traveling	g the haul road to calculate		
1. HAUL ROAD INFORMATION									
EMISSION UNIT NO.	E-04	SOURCE CL	ASSIFICATION CODE (SCC) 30501024	SEG. NO.	Type of	Dust Control	Control Efficiency		
LENGTH OF ROAD (MILE	S): IF ONE-WAY, DIVIDE BY 2	l			Pav	ed with Washing	95%		
		1.0300			Pav	ed	90%		
SILT CONTENT (%) (DEF	AULT = 8.3%)		SURFACE MATERIAL OF ROAI)	Surf	actant Spray	90%		
	0.200		Paved		□Wat	er Spray Documented	90%		
DAYS OF RAIN WITH AT	LEAST 0.01" PER YEAR (DEFA	ULT = 105)			□Wat	er Spray	50%		
		105				er - Specify			
					No	Controls	0%		
2. HAUL TRUCK I	NFORMATION								
MAKE/MODEL				UNLOADED TRU	JCK WEIGHT (T	ONS) - WEIGHTED AVERAGE F	OR FLEET		
	Catepil	lar							
AVERAGE WEIGHT OF N	IATERIAL PER LOAD (TONS) 40.00	0		AVERAGE LOADED WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 75.00					
		<u> </u>				73.00			
3. MATERIAL HAI				ANNUAL AMOU	NT HALII ED (TC	NS)			
THE OF WATERWALET	fly asl	h		7 II VIONE 7 III OOI	TI TIMOLED (TO	76,081.5100			
4. CALCULATION	OF ANNUAL VEHIC	LE MILES	TRAVELED						
ANNUAL VMT				Annual VMT	- <u>2</u>	x (Length of road) x (A	nnual amount hauled)		
	3,918.1	9				(Average weight of	material per load)		
5. CALCULATION	OF HAUL ROAD UN	CONTRO	LLED EMISSION FACT	OR					
PM2.5 EMISSION FACTOR	0.15 x [Silt Content % /	′ 12] ^ 0.9 x [(l	Unloaded truck weight + Loade	ed truck weight (t	ons)) / 6] ^ 0.4	5 x [(365 - Days of Rain) / 36	PM2.5 EMISSION FACTOR 0.00		
PM10 EMISSION FACTOR	1.5 x [Silt Content % / /	12] ^ 0.9 x [(U	nloaded truck weight + Loaded	I truck weight (to	ns)) / 6] ^ 0.45	x [(365 - Days of Rain) / 365	PM10 EMISSION FACTOR 0.09		

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FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA			
NEW MADRI	D POWER PLA	ANT MARSTON			143	0004	2015			
4 5141001011	INIT IDENTIFICATION									
EMISSION UNIT NO.	EMISSION UNIT DE									
FE-05	EIVII 33ION ONIT DE	SCRIPTION	Linnayad b	out road to lan	dfill (fly ash and	hottom ash)				
			Unpaved n	laui 10au to iai i	allii (ily asii alic	i bollom asnj				
	PROCESS DETA			T						
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC		1 . 1 . 1611 /61				
1		305010	124		Unpaved haul	road to landfill (fly a	sh and bottom ash)			
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	No IF YES, C	OMPLETE FORM 2.0S STACK/	VENT INFORMATION			
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITIV	/E, WHAT PERCENTAG	E?	100.00			
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS			
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	3.09	For coal or fuel oil, lis	st details below			
8,9	39.58	MI	LES	MAR-MAY (%)	140	Heat Content (BTU/Fuel Unit)				
				28	3.13					
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '		ASH % (INCLUDE IN EF)				
					7.46		0.00			
24.00	7.00	52	8,736.00	SEPT-NOV (%)	. 20	SULFUR % (INCLUDE IN EF)	0.00			
				10	16.32 0.00					
5. EMISSION	CALCULATIONS	3								
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	I Throughput ssion Factor II Control Eff/100) ÷ 2000				
						= Actual E	imissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference				
PM10 FIL *	27	1.8314	No Control	50.00	4.09	SOURCE OF EM	MISSION FACTOR LIST			
SOx						1. CEM	Include documentation			
						2. Stack Test	Include documentation			
NOx						3. Mass Balance	Include documentation			
						4. AP-42	Include reference			
VOC						4F. FIRE or webFIRE				
						5. Other	Include documentation			
СО						EC. Engr Calc	Include documentation			
						LS. Landfill Spdsht	Include documentation			
LEAD						TK. TANKS Program	Supply TANKS output Complete Form 2.3			
IIAD-						2.3. VOC Mass Bal	· ·			
HAPs						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.4 Complete Form 2.7			
PM2.5 FIL *	27	0.1831	No Control	50.00	0.41	2.7. Haul Road 2.8. Storage Pile	Complete Form 2.8			
FIVIZ.3 FIL "	۷1	0.1031	INO CONTROL	50.00	0.41	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.T			
NH3						2.9. Stack Test/CEM	Complete Form 2.9			
14113						2.0L. Landfill	Complete Form 2.0L			
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.			

FACILITY NAME NEW MADRID P	ACILITY NAME NEW MADRID POWER PLANT MARSTON						FIPS COUNTY NO. PLANT NO. YEA			
				110 0001				2015		
INSTRUCTIONS										
This worksheet	If the sum of all Vehic should be marked as			e facility is less than 100, this form is not necessary and the emission unit						
is optional			the same as last year anter the current annual \					ed (AP-	42, Section 13.2.2,	
Do not calculate a the emission factor	•	ctor for eac	h vehicle class. Use th	e weigh	nted ave	erage for th	ne entire fleet travelin	ng the h	aul road to calculate	
1. HAUL ROAD IN	IFORMATION									
EMISSION UNIT NO.	ASSIFICATION CODE (SCC) 30501024	SE	G. NO.	Type of D	Oust Control		Control Efficiency			
LENGTH OF ROAD (MILE	S): IF ONE-WAY, DIVIDE BY 2			<u> </u>		Pave	ed with Washing		95%	
		2.3500				Pave	ed		90%	
SILT CONTENT (%) (DEF	AULT = 8.3%)		SURFACE MATERIAL OF ROA	D		Surfa	actant Spray		90%	
	5.100		Unpave	d		Wate	er Spray Documented	d	90%	
DAYS OF RAIN WITH AT	LEAST 0.01" PER YEAR (DEFA	ULT = 105)				× Wate			50%	
		105				_	r - Specify			
						_	Controls		0%	
2. HAUL TRUCK I	NFORMATION									
MAKE/MODEL				UNLOAI	DED TRUC	K WEIGHT (TC	NS) - WEIGHTED AVERAGE F	FOR FLEE	Т	
	Caterpi	llar		35.00						
AVERAGE WEIGHT OF M	IATERIAL PER LOAD (TONS) 40.00	0		AVERAGE LOADED WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 75.00					Т	
		<u> </u>					75.00			
3. MATERIAL HAI				ANINILIAI	LAMOUNT	HAULED (TON	IC)			
TIPE OF MATERIALS HA	fly ash and/or b	ottom asl	า	ANNOA	L AWOUNT	HAULED (TOI	76,081.5100			
4. CALCULATION	OF ANNUAL VEHIC	LE MILES	TRAVELED							
ANNUAL VMT				Annus	al VMT :	2)	(Length of road) x (A	Annual	amount hauled)	
	Ailiuc	21 V IVI 1 -		(Average weight of	materi	al per load)				
5. CALCULATION	LLED EMISSION FACT	TOR								
PM2.5 EMISSION FACTOR	0.15 x [Silt Content % /	′ 12] ^ 0.9 x [(l	Unloaded truck weight + Loade	ed truck w	veight (ton	ns)) / 6] ^ 0.45	i x [(365 - Days of Rain) / 3	65] P	M2.5 EMISSION FACTOR 0.18	
PM10 EMISSION FACTOR	1.5 x [Silt Content % / 1	12] ^ 0.9 x [(U	nloaded truck weight + Loaded	d truck we	eight (tons	s)) / 6] ^ 0.45 :	x [(365 - Days of Rain) / 36	5] P	M10 EMISSION FACTOR 1.83	

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FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRI	D POWER PLA	ANT MARSTON	l		143	0004	2015	
4 EMICCIONI	INIT IDENTIFIC	ATION						
EMISSION UNIT NO.	EMISSION UNIT DE							
FE-06				I andfill Pilo	Maintenance			
				Landilli i ile	iviairiteriarice			
SEG. NO.	PROCESS DETA	CATION CODE (SCC)		SCC DESC	PRINTION			
	SOURCE CLASSIFI	, ,	07	SCC DESC		andfill mile medinten		
1		305020				Landfill pile mainten		
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	<u> </u>	OMPLETE FORM 2.0S STACK/		
ARE THE EMISSION:	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITI\	/E, WHAT PERCENTAG	E?	100.00	
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	CHARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	3.09	For coal or fuel oil, li	st details below	
76,0	081.51	ТС	ONS	MAR-MAY (%)		Heat Content (BTU/Fuel Unit)		
				28	3.13			
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	` '		ASH % (INCLUDE IN EF)		
				17	7.46		0.00	
24.00	7.00	52	8,736.00	SEPT-NOV (%)	, ,			
				16	16.32 0.00			
5. EMISSION	CALCULATIONS	3						
AIR	1.	2.	3.	4.	5.	Annua	l Throughput	
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x (1-Overa	ssion Factor II Control Eff/100) ÷ 2000	
						= Actual E	missions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference		
PM10 FIL *	28	0.0710	No Control	50.00	1.35	SOURCE OF EM	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
voc						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation	
						LS. Landfill Spdsht	Include documentation	
LEAD						TK. TANKS Program 2.3. VOC Mass Bal	Supply TANKS output Complete Form 2.3	
HAPs						2.4. Liquid Loading	Complete Form 2.4	
парѕ						2.4. Liquid Loading 2.7. Haul Road	Complete Form 2.7	
PM2.5 FIL *	5	0.0259	No Control	50.00	0.49	2.8. Storage Pile	Complete Form 2.8	
1 1412.J FIL	Ü	0.0238	INO CONTION	50.00	0.43	2.T. HAP Worksheet	Complete Form 2.T	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
5						2.0L. Landfill	Complete Form 2.0L	
PM CON*						are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.	

FACILITY NAME				FIPS COUNTY NO.	YEAR OF DATA				
NEW MADRID PO	WER PL	ANT MARSTON		143	0004	2015			
1. STORAGE PILE II	NFORMA	TION							
EMISSION UNIT NO.	SOURCE C	CLASSIFICATION CODE (SCC)	SEG. NO.	TYPE OF MATERIAL STORED					
FE-06		30502007	1	Fly ash and bottom ash					
MOISTURE CONTENT (%)				AREA OF STORAGE PILE (ACRE	S)				
		0.70			0.00				
		(DE	FAULT = 0.7%)						
SILT CONTENT (%)		1.60		RAW MATERIAL LOADING METH (CHECK ONE):	ERIAL UNLOADING METHOD NE):				
		1.00			I — .				
		(DE	FAULT = 1.6%)	∐Barge	l —	rge			
STORAGE DURATION (DAY	S)	205		Rail	∐Ra	il			
		365		X Truck	×⊤rı	ıck			
ANNUAL AMOUNT STORED	(TONS)								
		35,750.799		☐ Conveyor		nveyor			
MAXIMUM HOURLY AMOUN	IT STORED (1	FONS)		☐ Other (specify)	∐ Oti	ner (specify)			
		35,750.7990							
2 OTHER FACTORS	S AFFEC	TING EMISSION RATES							
MEAN WIND SPEED (MPH)	AIILO	THIS EMISSION RATES		% OF TIME WIND > 12 MPH					
,		10.0			32.0				
			ULT = 10 MPH)			(DEFAULT = 32%)			
DRY DAYS PER YEAR				VEHICLE ACTIVITY FACTOR	1.000				
		260	T 000 D41/01		(DEEALU T 4.0)				
3. STORAGE PILE F	MISSION	I FACTOR CALCULATIONS	T = 260 DAYS)			(DEFAULT = 1.0)			
CALCULATIO			FO	RMULA		RESULT			
[3-A-1] Load In - Load	Out	0.0000 05 (Massassississississis) /	5\A4 O / /\A-	'-t		0.012			
Componen		0.0032 x .35 x (Mean wind speed) /	5)^1.3 / (IVIO	isture content % / 2)^1.4					
(lb./ton)									
[2 4 2]									
[3-A-2] Vehicle Activity Co	mponent	0.05 x (Silt content % / 1.5) x (Dry da	ays per year	/ 235) x Vehicle Activity Fac	ctor	0.05900709			
(lb./ton)									
[C A C]									
[3-A-3] Activity PM1	0	[2 A 4] and and Cod Communication		Mahiala Astivity Casasasas		0.07100709			
Emission Fac		[3-A-1] Load In - Load Out Compone	ent + [3-A-2]	venicle Activity Component	I				
(lb./ton)									
[3-B]									
Wind Erosion P		0.85 x (Silt content % / 1.5) x (Storag 12 MPH / 15)	ge duration ((Days)) x (Dry days per year	r / 235) x (% of time wind	> 781.09654846			
Emission Fac		12 V PT / 15)							
(lb./acre-yr.)								

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage

MO 780-1446 (12-09)

Pile Information for each storage pile.

FACILITY NAME				FIPS COU	NTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRI	D POWER PLA	ANT MARSTON	I		143	0004	2015	
1. EMISSION DE EMISSION UNIT NO.	EMISSION UNIT DE							
	EMISSION UNIT DE	SCRIPTION		I	/:			
FE-07				Landili W	/ind Erosion			
	PROCESS DETA							
SEG. NO.	SOURCE CLASSIFI	CATION CODE (SCC)		SCC DESC	CRIPTION			
1		503008	310			Landfill wind erosi	ion	
DO THE EMISSIONS	FROM THIS EMISSION	UNIT FLOW THROUGH	A STACK OR VENT?	Yes	No IF YES, C	COMPLETE FORM 2.0S STACK/	VENT INFORMATION	
ARE THE EMISSION	S FROM THIS UNIT FUG	ITIVE?	Yes No	IF FUGITIV	/E, WHAT PERCENTAG	EE?	100.00	
3. OPERATING	G RATE/SCHED	ULE				4. ANNUAL FUEL C	HARACTERISTICS	
ANNUAL THROUGH	PUT	UNITS		DEC-FEB (%)	5.00	For coal or fuel oil, lis	st details below	
_								
2	5.00	AC	RES	MAR-MAY (%)	5.00	Heat Content (BTU/Fuel Unit)		
HOURS/DAY	DAYS/WEEK	WEEKS/YEAR	TOTAL HOURS/YEAR	JUN-AUG (%)		ASH % (INCLUDE IN EF)		
				25	5.00	0.00		
24.00	7.00	52	8,736.00	SEPT-NOV (%)				
				25	5.00	0.00		
5. EMISSION	CALCULATIONS	3						
AIR	1.	2.	3.	4.	5.	Annua	l Throughput	
POLLUTANT	SOURCE OF EMISSION FACTOR	EMISSION FACTOR	EMISSION FACTOR(EF) CONTROL STATUS	OVERALL CONTROL EFFICIENCY (% FORMAT)	ACTUAL EMISSIONS (TONS/YR)	x (1-Overa	ssion Factor II Control Eff/100) ÷ 2000	
						= Actual E	imissions (tons)	
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference		
PM10 FIL *	28	751.0544	No Control	50.00	4.69	SOURCE OF EM	MISSION FACTOR LIST	
SOx						1. CEM	Include documentation	
						2. Stack Test	Include documentation	
NOx						3. Mass Balance	Include documentation	
						4. AP-42	Include reference	
VOC						4F. FIRE or webFIRE		
						5. Other	Include documentation	
СО						EC. Engr Calc	Include documentation	
						LS. Landfill Spdsht	Include documentation	
LEAD						TK. TANKS Program	Supply TANKS output	
						2.3. VOC Mass Bal	Complete Form 2.3	
HAPs						2.4. Liquid Loading	Complete Form 2.4 Complete Form 2.7	
DMO F FU	5	00 0070	No Control	50.00	0.50	2.7. Haul Road	Complete Form 2.8	
PM2.5 FIL *	Э	92.3370	No Control	50.00	0.58	2.8. Storage Pile 2.T. HAP Worksheet	Complete Form 2.7	
NH3						2.9. Stack Test/CEM	Complete Form 2.9	
NH3						2.9. Stack Test/CEIVI	Complete Form 2.0L	
PM CON*						* If PM CON is reporte are required and sh	ed, PM10 and PM25 entries above ould represent only the filterable and filterable PM25.	

FACILITY NAME NEW MADRID POW	VER PL	ANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2015			
1. STORAGE PILE INF	FORMA	TION							
EMISSION UNIT NO. FE-07	SOURCE C	LASSIFICATION CODE (SCC) 50300810	SEG. NO.	TYPE OF MATERIAL STORED Fly ash and bottom ash					
MOISTURE CONTENT (%)		7.00	FAULT = 0.7%)	AREA OF STORAGE PILE (ACRE	25.00				
SILT CONTENT (%)		1.60	FAULT = 1.6%)	RAW MATERIAL LOADING METH (CHECK ONE): Barge	ERIAL UNLOADING METHOD NE):				
STORAGE DURATION (DAYS)	365				□ Ra ⊠ Tro				
ANNUAL AMOUNT STORED (T	TONS)	35,750.799		▼ Truck □ Conveyor □ Other (specify)	Псс	onveyor			
MAXIMUM HOURLY AMOUNT	•	rons) 35,750.7990		Unther (specify)					
2. OTHER FACTORS	AFFEC ⁻	TING EMISSION RATES							
MEAN WIND SPEED (MPH) 10.0 (DEFAULT = 10 MP				% OF TIME WIND > 12 MPH	32.0	(DEFAULT = 32%)			
DRY DAYS PER YEAR		250 (DEFAUL	_T = 260 DAYS)	VEHICLE ACTIVITY FACTOR	1.000	(DEFAULT = 1.0)			
3. STORAGE PILE EM	IISSION	FACTOR CALCULATIONS							
CALCULATION	1		FO	RMULA		RESULT			
[3-A-1] Load In - Load C Component (lb./ton)	Out	0.0032 x .35 x (Mean wind speed) /	5)^1.3 / (Mo	sisture content % / 2)^1.4		0.000			
[3-A-2] Vehicle Activity Com (lb./ton)	ponent	0.05 x (Silt content % / 1.5) x (Dry da	ays per year	r / 235) x Vehicle Activity Fa	ctor	0.05673759			
[3-A-3] Activity PM10 Emission Factor (lb./ton) [3-A-1] Load In - Load Out Component + [3-A-2]				Vehicle Activity Componen	0.05673759				
[3-B] Wind Erosion PM Emission Facto (lb./acre-yr.)		0.85 x (Silt content % / 1.5) x (Storag 12 MPH / 15)	ge duration	(Days)) x (Dry days per yea	751.05437352				

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage

MO 780-1446 (12-09)

Pile Information for each storage pile.

FACILITY NAME NEW MADRID POWER	ILITY NAME W MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		4	YEAR OF DATA 2015	
EMISSION UNIT NO.		SC	OURCE CLASSIFICAT		C)		DEVICE NO.		DEVICE CODE	_
EP-01			10	100501		3	CD0	4	12	<u>8</u>
CONTROL DEVICE DESCRIPTION	ESP-HIC	SH EFFIC	CIENCY			OPERATING STATU X Active		е 🗆 🗆	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VENT	ONLY?	X Yes	No	•				
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	NTROL DEVIC	E (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-1				-
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.000	00	
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00	
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO. SOURCE CLASSIFICATION CODE (()	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-01 10100501						3	9			
CONTROL DEVICE DESCRIPTION						OPERATING STATU	JS (CHECK ONE)			
Selective	ntrol		× Active	☐Inactiv	е 🗆 🗆	Dismantled				
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY?				X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	NTROL DEVIC	CE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-1				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS								•	
EMISSION UNIT NO.		so	OURCE CLASSIFICAT	TON CODE (SCC	C)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-01			10	100223		2	CDO	4	12	.8
CONTROL DEVICE DESCRIPTION	E0D 1110	===:0	NENOV			OPERATING STATU				
		SH EFFIC				×Active	∐Inactiv	е ЦС	Dismantled	
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SE				Yes	No No	lo .				
						S-1		I		I
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F		PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.000	00	
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00	
SOURCE OF EFFICIENCY (CODES)										<u> </u>
CAS NUMBER(S) FOR CONTROLLE	D HAPS									

MO 780-2088 (12-09)

FACILITY NAME NEW MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2015			
EMISSION UNIT NO.			DURCE CLASSIFICATI	ION CODE (SC	C)	SEG. NO.	DEVICE NO.		DEVICE CODE			
EP-01			10	100223		2 CD10			139			
CONTROL DEVICE DESCRIPTION						OPERATING STATUS (CHECK ONE)						
Selective Catalytic Reduction for NOx Control						★ Active						
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? X Yes No												
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INF						S-1						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL	NH3	PM CON	
CAPTURE EFFICIENCY (%)			100.0000									
CONTROL DEVICE EFFICIENCY (%)			93.0000									
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLED HAPS												
EMISSION UNIT NO. SOURCE CLASSIFICATION CODE (SCO					C)	SEG. NO.	SEG. NO. DEVICE NO. DEVICE CODE			ODE		
EP-01			10	100203		1	CD04		128			
CONTROL DEVICE DESCRIPTION						OPERATING STATE	US (CHECK ONE)					
ESP-HIGH EFFICIENCY						X Active ☐ Inactive ☐ Dismantled						
ARE THE EMISSIONS CONTROLLED	No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION) S-1												
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I	FIL	NH3	PM CON	
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.00	000			
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00			
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLED HAPS												
EMISSION UNIT NO. SOURCE CLASSIFICATION CODE (SCO					C)	SEG. NO.	DEVICE NO. DEVICE CODE		ODE			
EP-01			10100203			1	CD10		139			
CONTROL DEVICE DESCRIPTION		•				OPERATING STATI	US (CHECK ONE)					
Selective Catalytic Reduction for NOx Control						□ Active □ Inactive □ Dismantled						
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VENT	ONLY?	X Yes	No							
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION) S-1												
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL	NH3	PM CON	
CAPTURE EFFICIENCY (%)			100.0000									
CONTROL DEVICE EFFICIENCY (%)			93.0000									
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS											

MO 780-2088 (12-09)

FACILITY NAME NEW MADRID POWER PLANT MARSTON EMISSION UNIT NO. SOURCE CLASSIFICATION COL					FIPS COUNTY	⁷ NO. 143	PLANT NO.		YEAR OF DATA 20	15
EMISSION UNIT NO.					;)	SEG. NO.	DEVICE NO.	4	DEVICE CODE	
EP-01 CONTROL DEVICE DESCRIPTION			10	101302		4 OPERATING STATE	CD0	4	12	.8
CONTROL BEVIOL BEGONII HON	ESP-HIG	H EFFI	CIENCY			× Active		е 🗆 г	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	NTROL DEV	ICE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-1				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.00	00	
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00	
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO.		;	SOURCE CLASSIFICAT	ION CODE (SCC	:)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-01			10	101302		4	CD1	0	13	9
CONTROL DEVICE DESCRIPTION	ROL DEVICE DESCRIPTION					OPERATING STATU	IS (CHECK ONE)			
Selective	e Catalytic I	Reducti	on for NOx Co	ntrol		× Active	□Inactiv	е 🗆 🗆	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VEN	T ONLY?	X	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS COM	NTROL DEV	ICE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-1				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO.	•	;	SOURCE CLASSIFICAT	ION CODE (SCC	:)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-02			10	100501		3	CD0	5	12	8
CONTROL DEVICE DESCRIPTION						OPERATING STATU	IS (CHECK ONE)			
	ESP-HIG	H EFFI	CIENCY			× Active	☐Inactiv	е 🏻 🗆 🛭	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	IT ONLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	NTROL DEV	ICE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-2				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.00	00	
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00	
SOURCE OF EFFICIENCY (CODES)										

ACILITY NAME NEW MADRID POWER PLANT MARSTON MISSION UNIT NO. SOURCE CLASSIFICATION CODE					FIPS COUNTY	NO. 143	PLANT NO. 0004		YEAR OF DATA 2015	
EMISSION UNIT NO.	2	SOL		100501	C)	SEG. NO.	DEVICE NO.		DEVICE CODE	9
CONTROL DEVICE DESCRIPTION Selective	e Catalytic	Reduction	for NOx Cor	ntrol		OPERATING STATU	IS (CHECK ONE)	е 🗆 г	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VENT O	NLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO		(LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-2				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO.		SOL	JRCE CLASSIFICAT	ON CODE (SCC	C)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-02	2		10	100203		1	CDO	5	12	8
CONTROL DEVICE DESCRIPTION		•				OPERATING STATU	JS (CHECK ONE)	•		
	ESP-HIG	H EFFICI	ENCY			× Active	☐Inactiv	е 🗆 🗆	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VENT O	NLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	NTROL DEVICE	(LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-2				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.00	00	
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00	
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO.		SOL	JRCE CLASSIFICAT	ION CODE (SCC	C)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-02	2		10	100203		1	CD1	1	13	9
CONTROL DEVICE DESCRIPTION		•				OPERATING STATU	JS (CHECK ONE)	•		
Selective	e Catalytic	Reduction	for NOx Co	ntrol		×Active	□Inactiv	е 🗆 С	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VENT O	NLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	NTROL DEVICE	(LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-2				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)		93.0000							†	

ACILITY NAME NEW MADRID POWER PLANT MARSTON MISSION UNIT NO. SOURCE CLASSIFICATION CODE					FIPS COUNTY	(NO. 143	PLANT NO. 0004		YEAR OF DATA 2015	
EMISSION UNIT NO.		;			C)		DEVICE NO.		DEVICE CODE	•
EP-02 CONTROL DEVICE DESCRIPTION			10	100223		2 OPERATING STATE	CD0	5	12	8
CONTROL DEVICE DESCRIPTION	ESP-HIC	3H EFFI	CIENCY			× Active		е 🗆 С	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VEN	T ONLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	ONTROL DEV	ICE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-2				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.000	00	
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00	
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO.		;	SOURCE CLASSIFICAT	TON CODE (SCC	()	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-02	EP-02 101002						CD1	1	13	9
CONTROL DEVICE DESCRIPTION	CONTROL DEVICE DESCRIPTION						JS (CHECK ONE)	<u>.</u>		
Selective	e Catalytic	Reducti	on for NOx Co	ntrol		× Active	□Inactiv	е 🗆 🗅	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VEN	T ONLY?	X Yes	No	•				
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	ONTROL DEV	ICE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-2				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO.	•	;	SOURCE CLASSIFICAT	TON CODE (SCC	()	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-02			10	101302		4	CD0	5	12	8
CONTROL DEVICE DESCRIPTION	E05 111	===:	OLENIOV.			OPERATING STATU				
			CIENCY			× Active	∐Inactiv	е ЦС	Dismantled	
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SH				Yes	No No	lo o				
						S-2				
AIR POLLUTANT	PM10 FIL		NOx	VOC	СО	LEAD	HAP(s)	PM25 F		PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.000	00	
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.000	00	
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									

ACILITY NAME NEW MADRID POWER PLANT MARSTON LEGIDLE CLASSIFICATION CODE					FIPS COUNTY	′NO. 143	PLANT NO. 0004		YEAR OF DATA 2015	
EMISSION UNIT NO.	2	S	OURCE CLASSIFICAT	TION CODE (SCC 101302	;)	SEG. NO.	DEVICE NO.	1	DEVICE CODE	139
CONTROL DEVICE DESCRIPTION						OPERATING STAT	US (CHECK ONE)			
Selective	e Catalytic	Reductio	on for NOx Co	ntrol		×Active	□Inactiv	/e □[Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VENT	ONLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	NTROL DEVI	CE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	S-2				,
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS				•			•		
EMISSION UNIT NO.		S	OURCE CLASSIFICAT	TON CODE (SCC	;)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-04	EP-04 3050100						CDC)6		127
CONTROL DEVICE DESCRIPTION			OPERATING STAT	US (CHECK ONE)						
F	ABRIC FIL	TER - L	OW TEMP			× Active	☐Inactiv	re □[Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VENT	ONLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CO	NTROL DEVI	CE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	V-1				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	00	
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.000	00	
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS	•		•	•	•	•	•	•	
EMISSION UNIT NO.	•	S	OURCE CLASSIFICAT	TON CODE (SCC	;)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-05	;		30	501011		1	CDC)2		217
CONTROL DEVICE DESCRIPTION	10/07					OPERATING STAT				
		ER SPR				×Active	∐Inactiv	re ∐[Dismantled	
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SE				X Yes	No ORMATION)	N/ 0				
			,		,	V-2	I 1145()	I	1	
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F		PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	00	
CONTROL DEVICE EFFICIENCY (%)	50.0000					50.0000				
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									

FACILITY NAME NEW MADRID POWER PLANT MARSTON EMISSION UNIT NO. SOURCE CLASSIFICATION CODE					FIPS COUNTY	7 NO. 143		PLANT NO.	4	YEAR	201	5
EMISSION UNIT NO.	;	Ş		TION CODE (SCC 0501011	()	SEG. NO	o. 1	DEVICE NO.	3	DEVI	217	7
CONTROL DEVICE DESCRIPTION WET	CHEMICAL	DUST	SUPPRESSIC	ON			TING STATE	JS (CHECK ONE) Inactiv	e 🔲 (Dism	nantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	X Yes	No							
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	TROL DEV	ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО		LEAD	HAP(s)	PM25 F	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000											
CONTROL DEVICE EFFICIENCY (%)	65.0000											
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS											
EMISSION UNIT NO.		8	SOURCE CLASSIFICA	TION CODE (SCC	C)	SEG. NO	0.	DEVICE NO.		DEVI	CE CODE	
EP-05	;		30)501011			1	CD0	9		127	7
CONTROL DEVICE DESCRIPTION					JS (CHECK ONE)		•					
	FABRIC FIL	TER L	OW TEMP			⊠ A	ctive	∐Inactiv	е Ш	Dism	nantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	X Yes	No							
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	TROL DEV	ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО		LEAD	HAP(s)	PM25 F	-IL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000								100.00	00		
CONTROL DEVICE EFFICIENCY (%)	90.0000								90.000	00		
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS											
EMISSION UNIT NO.	•	\$	SOURCE CLASSIFICA	TION CODE (SCC	()	SEG. NO	O.	DEVICE NO.		DEVI	CE CODE	
EP-05	;		30)501011			1	CD0	6		127	7
CONTROL DEVICE DESCRIPTION	- 4 DDIO EII	TED .	OW TEMP					JS (CHECK ONE)				
	FABRIC FIL					$ \mathbf{x} $	ctive	∐Inactiv	е Ш	Dism	nantled	
ARE THE EMISSIONS CONTROLLED				Yes	No							
LIST ALL STACK/VENT NUMBERS SH					ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО		LEAD	HAP(s)	PM25 F	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000								100.00	00		
CONTROL DEVICE EFFICIENCY (%)	99.0000								99.000	00		
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS											

FACILITY NAME NEW MADRID POWER PLANT MARSTON EMISSION UNIT NO. SOURCE CLASSIFICATION COE					FIPS COUNTY	′NO. 143	PLANT NO. 000	4	YEAR OF DATA 201	15		
EMISSION UNIT NO.)	SEG. NO.	DEVICE NO.	.1	DEVICE CODE	7		
EP-05 CONTROL DEVICE DESCRIPTION	1			501011			CDC)]	12	/		
	FABRIC FII	_TER L	OW TEMP			×Active	Inactiv	е 🗆 г	Dismantled			
ARE THE EMISSIONS CONTROLLED	THROUGH THE	STACK/VEN	IT ONLY?	X Yes	No							
LIST ALL STACK/VENT NUMBERS SH	HARING THIS COM	NTROL DE\	/ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SO	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON		
CAPTURE EFFICIENCY (%)	100.0000											
CONTROL DEVICE EFFICIENCY (%)	99.0000											
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS											
EMISSION UNIT NO.			SOURCE CLASSIFICAT	TION CODE (SCC)	SEG. NO.	DEVICE NO.		DEVICE CODE			
EP-05	EP-05 30501011 2 CD02 217						7					
CONTROL DEVICE DESCRIPTION				TUS (CHECK ONE)								
	WAT	ER SP	RAY			× Active	∐Inactiv	е Ц	Dismantled			
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	IT ONLY?	X Yes	No							
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	NTROL DE\	/ICE (LISTED ON 2.0S S	STACK/VENT INF	ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SO	(NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON		
CAPTURE EFFICIENCY (%)	100.0000							100.00	00			
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.000	00			
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS											
EMISSION UNIT NO.	•		SOURCE CLASSIFICA	TION CODE (SCC)	SEG. NO.	DEVICE NO.		DEVICE CODE			
EP-05	;		30	501011		2	CDC	3	21	7		
CONTROL DEVICE DESCRIPTION		· ·					rus (CHECK ONE)					
WET	CHEMICAL	DUST	SUPPRESSIC	DN		× Active	∐Inactiv	е Ц	Dismantled			
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	IT ONLY?	Yes	No							
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	NTROL DE\	/ICE (LISTED ON 2.0S S	STACK/VENT INF	ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SO	(NOx	VOC	СО	LEAD	HAP(s)	PM25 F	IL NH3	PM CON		
CAPTURE EFFICIENCY (%)	100.0000											
CONTROL DEVICE EFFICIENCY (%)	65.0000											
	05.0000											
SOURCE OF EFFICIENCY (CODES)	65.0000											

ACILITY NAME NEW MADRID POWER PLANT MARSTON MISSION UNIT NO. SOURCE CLASSIFICATION COD					FIPS COUNTY	(NO. 143	PLANT NO. 0004		YEAR OF DATA 2015		5
EMISSION UNIT NO.		;			()	SEG. NO.	DEVICE NO.	10	DEVIC	E CODE	,
EP-05	1)501011		2	CD()9		127	
	FABRIC FIL	TER L	OW TEMP			× Active		ve □ı	Disma	antled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	Yes	No	•					
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	ITROL DEV	ICE (LISTED ON 2.0S S	STACK/VENT INF	ORMATION)	V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 I	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										
EMISSION UNIT NO.		;	SOURCE CLASSIFICAT	TION CODE (SCC	C)	SEG. NO.	DEVICE NO.		DEVIC	E CODE	
EP-05)501011		2	CDO)6		127	•			
CONTROL DEVICE DESCRIPTION			l	ATUS (CHECK ONE)							
	ABRIC FIL					× Active	∐Inactiv	re ∐I	Disma	antled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	Yes	No						
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	ITROL DEV	ICE (LISTED ON 2.0S S	STACK/VENT INF	ORMATION)	V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I		NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										
EMISSION UNIT NO.		;	SOURCE CLASSIFICAT	TION CODE (SCC	()	SEG. NO.	DEVICE NO.		DEVIC	E CODE	
EP-05	;		30)501011		2	CDO)1		127	•
CONTROL DEVICE DESCRIPTION	EADDIO EII	TED					ATUS (CHECK ONE)				
	FABRIC FIL					× Active	∐Inactiv	⁄е Ші	Disma	antled	
ARE THE EMISSIONS CONTROLLED				Yes	No	,					
LIST ALL STACK/VENT NUMBERS SH						V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000										
CONTROL DEVICE EFFICIENCY (%)	99.0000										
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										

ACILITY NAME NEW MADRID POWER PLANT MARSTON MISSION UNIT NO. SOURCE CLASSIFICATION CODI					FIPS COUNTY	^{(NO.} 143	PLA	PLANT NO. 0004		YEAR OF DATA 2015		5
EMISSION UNIT NO.		S			()	SEG. NO.	DE	VICE NO.		DEVI	CE CODE	
EP-05	j		30)501011		3		CD0	2		217	
CONTROL DEVICE DESCRIPTION	WAT	ER SPR	AY			OPERATING Activ		Inactiv	e 🗆 [Dism	nantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VENT	ONLY?	X Yes	No							
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	TROL DEVI	CE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEA	VD	HAP(s)	PM25 F	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000								100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000								50.000	00		
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS											
EMISSION UNIT NO.		S	OURCE CLASSIFICA	TION CODE (SCC	;)	SEG. NO.	DE	VICE NO.		DEVI	CE CODE	
EP-05 3050101						3		CD0	3		217	7
CONTROL DEVICE DESCRIPTION			OPERATING	_								
			SUPPRESSIC)N		× Activ	e L	_Inactiv	е Ц	Disn	nantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VENT	ONLY?	Yes	No							
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	TROL DEVI	CE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEA	D D	HAP(s)	PM25 F	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000											
CONTROL DEVICE EFFICIENCY (%)	65.0000											
SOURCE OF EFFICIENCY (CODES)												
CAS NUMBER(S) FOR CONTROLLE	D HAPS		•	•		•	•					
EMISSION UNIT NO.	•	S	OURCE CLASSIFICA	TION CODE (SCC	:)	SEG. NO.	DE	VICE NO.		DEVI	CE CODE	
EP-05	;		30)501011		3		CD0	9		127	•
CONTROL DEVICE DESCRIPTION	EADDIO EII	TEDIO	NA/ TEMP			OPERATING						
	FABRIC FIL					× Activ	e L	_Inactiv	е Ц	Disn	nantled	
ARE THE EMISSIONS CONTROLLED				Yes	No							
LIST ALL STACK/VENT NUMBERS SH			,		ORMATION)	V-2						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEA	D	HAP(s)	PM25 F	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000								100.00	000		
CONTROL DEVICE EFFICIENCY (%)	90.0000		90.0000									
SOURCE OF EFFICIENCY (CODES)							$\Box \Box$					
CAS NUMBER(S) FOR CONTROLLE	D HAPS											

RECILITY NAME NEW MADRID POWER PLANT MARSTON EMISSION UNIT NO. SOURCE CLASSIFICATION COD					FIPS COUNTY	(NO. 143	PLANT NO. 0004		YEAR OF DATA 2015		5
EMISSION UNIT NO.					:)	SEG. NO.	DEVICE NO.	20	DEVICE		•
EP-05)		30)501011		3	CD(127	
	ABRIC FIL	TER - I	LOW TEMP			× Active		_	Dismaı	ntled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	IT ONLY?	X Yes	No						
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	NTROL DEV	/ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2					-
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										
EMISSION UNIT NO.			SOURCE CLASSIFICA	TION CODE (SCC	;)	SEG. NO.	DEVICE NO.		DEVICE	CODE	
EP-05 30501011 3 CD01						127	,				
CONTROL DEVICE DESCRIPTION				TATUS (CHECK ONE)	_						
	FABRIC FIL					× Active	∐Inactiv	/e Ш	Dismaı	ntled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	IT ONLY?	X Yes	No						
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	NTROL DEV	/ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000										
CONTROL DEVICE EFFICIENCY (%)	99.0000										
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										
EMISSION UNIT NO.			SOURCE CLASSIFICA	TION CODE (SCC	5)	SEG. NO.	DEVICE NO.		DEVICE (CODE	
EP-05	;		30)501011		4	CDO)2		217	•
CONTROL DEVICE DESCRIPTION	\A/A T	ED 00	DAY				TATUS (CHECK ONE)				
		ER SP				× Active	∐Inactiv	/e Ш	Dismaı	ntled	
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SE				X Yes	No No	lv o					
						V-2	L HAD()	I DMOE		NUIO	DM CON
AIR POLLUTANT CAPTURE EFFICIENCY (%)	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I		NH3	PM CON
	100.0000							100.00			
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.00	00		
SOURCE OF EFFICIENCY (CODES)	<u> </u>										
CAS NUMBER(S) FOR CONTROLLE	D HAPS										

FACILITY NAME NEW MADRID POWER PLANT MARSTON EMISSION UNIT NO. SOURCE CLASSIFICATION COI					FIPS COUNTY	[^] NO. 143	PLANT NO.	4	YEAR OF DATA 201	5
EMISSION UNIT NO.				TION CODE (SCC 501011	;)	SEG. NO.	DEVICE NO.	3	DEVICE CODE 21	7
CONTROL DEVICE DESCRIPTION			30	301011		OPERATING STAT		3	21	<i>I</i>
	CHEMICAL	DUST	SUPPRESSIC	N		×Active	Inactiv	е 🔲 г	Dismantled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEI	NT ONLY?	X Yes	No					
LIST ALL STACK/VENT NUMBERS SI	HARING THIS CON	NTROL DE	VICE (LISTED ON 2.0S S	STACK/VENT INF	ORMATION)	V-2				
AIR POLLUTANT	PM10 FIL	SO	x NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000									
CONTROL DEVICE EFFICIENCY (%)	65.0000									
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	D HAPS									
EMISSION UNIT NO.			SOURCE CLASSIFICAT	TION CODE (SCC	;)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-05	<u>;</u>		30	501011		4	CD0	9	12	7
CONTROL DEVICE DESCRIPTION	FABRIC FIL	OW TEMP			OPERATING STATE	us (check one) Inactiv	е 🔲 [Dismantled		
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEI	NT ONLY?	X	No					
LIST ALL STACK/VENT NUMBERS SI	HARING THIS CON	NTROL DE	VICE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)	V-2				
AIR POLLUTANT	PM10 FIL	SO	x NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	00	
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.000	00	
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLE	:D HAPS				•			•	•	
EMISSION UNIT NO.			SOURCE CLASSIFICAT	TION CODE (SCC	:)	SEG. NO.	DEVICE NO.		DEVICE CODE	
EP-05	;		30	501011		4	CDO	6	12	7
	CONTROL DEVICE DESCRIPTION OPERATING STATUS (CHECK ONE)									
							□	П.		
ARE THE EMISSIONS CONTROLLED				Yes	No	XActive	Inactiv	е 🔲 [Dismantled	
) THROUGH THE S	STACK/VEN	NT ONLY?	Yes		X Active	Inactiv	e 🔲 [Dismantled	
ARE THE EMISSIONS CONTROLLED) THROUGH THE S	STACK/VEN	NT ONLY?				Inactiv	е		PM CON
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SI	THROUGH THE S	STACK/VEN	NT ONLY?	TACK/VENT INF	ORMATION)	V-2			FIL NH3	PM CON
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SI AIR POLLUTANT	PM10 FIL 100.0000	STACK/VEN	NT ONLY?	TACK/VENT INF	ORMATION)	V-2		PM25 F	FIL NH3	PM CON
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SI AIR POLLUTANT CAPTURE EFFICIENCY (%)	HARING THIS CON PM10 FIL 100.0000	STACK/VEN	NT ONLY?	TACK/VENT INF	ORMATION)	V-2		PM25 F 100.00	FIL NH3	PM CON

RECILITY NAME NEW MADRID POWER PLANT MARSTON EMISSION UNIT NO. SOURCE CLASSIFICATION CODE					FIPS COUNTY	(NO. 143	PLANT NO.	4	YEAR OF DA	^{TA} 201	5
EMISSION UNIT NO.	5			TION CODE (SCC 0501011	:)	SEG. NO.	DEVICE NO.)1	DEVICE COD	127	7
CONTROL DEVICE DESCRIPTION	FABRIC FIL	TER L	OW TEMP			OPERATING ST	ATUS (CHECK ONE)	/e □[Dismantle	ed	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	X Yes	No						
LIST ALL STACK/VENT NUMBERS SI	HARING THIS CON	ITROL DEV	ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL N	H3	PM CON
CAPTURE EFFICIENCY (%)	100.0000										
CONTROL DEVICE EFFICIENCY (%)	99.0000										
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										
EMISSION UNIT NO.		;	SOURCE CLASSIFICA	TION CODE (SCC	3)	SEG. NO.	DEVICE NO.		DEVICE COD	E	
						CDO	9		12	7	
CONTROL DEVICE DESCRIPTION			l	ATUS (CHECK ONE)							
	FABRIC FIL	TER L	OW TEMP			★ Active	□Inactiv	re ∐[Dismantle	ed	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	X Yes	No						
LIST ALL STACK/VENT NUMBERS SI	HARING THIS CON	ITROL DEV	ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-3					-
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL N	Н3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	00		
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.000	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS								-		
EMISSION UNIT NO.	•	;	SOURCE CLASSIFICA	TION CODE (SCC	:)	SEG. NO.	DEVICE NO.		DEVICE COD	E	
EP-07	•		30	501015		1	CDO)7		12	7
CONTROL DEVICE DESCRIPTION	- A D D I O - EII		014.75145			<u> </u>	ATUS (CHECK ONE)				
	FABRIC FIL					× Active	∐Inactiv	′е Ш	Dismantle	ed	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VEN	T ONLY?	Yes	No						
LIST ALL STACK/VENT NUMBERS SI	HARING THIS CON	ITROL DEV	ICE (LISTED ON 2.0S	STACK/VENT INF	ORMATION)	V-4					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL N	H3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	00		
CONTROL DEVICE EFFICIENCY (%)	99.0000						99.0000				
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										

FACILITY NAME NEW MADRID POWER PLANT MARSTON EMISSION UNIT NO. SOURCE CLASSIFICATION COD					FIPS COUNTY	⁷ NO. 143	PLANT NO. 0004		YEAR OF DATA 2015		5
EMISSION UNIT NO.		SOL			5)	SEG. NO.	DEVICE NO.		DEVICE		
EP-07			30)501015		2	CDC)7		127	,
CONTROL DEVICE DESCRIPTION	FABRIC FIL	TER LO	N TEMP			OPERATING STAT Active	us (CHECK ONE) Inactiv	re 🔲 [Disma	antled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	TACK/VENT O	NLY?	X Yes	No						
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	ITROL DEVICE	(LISTED ON 2.0S	STACK/VENT INFO	ORMATION)	V-4					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.000	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										
EMISSION UNIT NO.	TION CODE (SCC 0501110	·)	SEG. NO.	DEVICE NO.)2	DEVICE	217	7			
CONTROL DEVICE DESCRIPTION	WAT		OPERATING STAT Active	US (CHECK ONE) Inactiv	re □[Disma	antled				
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	STACK/VENT O	NLY?	Yes	X No						
LIST ALL STACK/VENT NUMBERS SH			<u> </u>		,						
AIR POLLUTANT CAPTURE EFFICIENCY (%)	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F		NH3	PM CON
CAPTURE ETTICIENCE (%)	100.0000							100.00	100		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.000	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS		•	•	•	•	•				
EMISSION UNIT NO.	•	SOL	JRCE CLASSIFICA	TION CODE (SCC	;)	SEG. NO.	DEVICE NO.		DEVICE	CODE	
FE-01			30	501043		1	CDC)2		217	7
CONTROL DEVICE DESCRIPTION	WAT	ER SPRA	۱Y			OPERATING STAT Active	US (CHECK ONE)	_{го} Пг	Disma	entled	
ARE THE EMISSIONS CONTROLLED	THROUGH THE S	TACK/VENT O	NLY?	Yes	X No	L Active	Шпаспу	е ш	JISIIIIa	ııııcu	
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	ITROL DEVICE	(LISTED ON 2.0S	Ш							
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 F	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000				50.0000						
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										

FACILITY NAME NEW MADRID POWEF	R PLANT MA					⁷ NO. 143	PLANT NO. 0004		YEAR OF DATA 2015		5
EMISSION UNIT NO. FE-01		S	SOURCE CLASSIFICAT	TION CODE (SCC 502007	·)	SEG. NO.	DEVICE NO.	2	DEVIC	E CODE 217	7
CONTROL DEVICE DESCRIPTION	WAT	ER SPF	RAY			OPERATING STAT Active	US (CHECK ONE) Inactiv	e 🔲	Dism	antled	
ARE THE EMISSIONS CONTROLLED				Yes	X No						
LIST ALL STACK/VENT NUMBERS SI							1				
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I		NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS					•	•		•		
EMISSION UNIT NO.		S	SOURCE CLASSIFICAT	TON CODE (SCC	;)	SEG. NO.	DEVICE NO.		DEVIC	E CODE	
FE-02	!		30	502011		1 CD08 217					
CONTROL DEVICE DESCRIPTION					OPERATING STAT	US (CHECK ONE)		1			
	WAT	ER SPF	RAY			× Active	□Inactiv	re 🔲 i	Dism	antled	
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY?											
LIST ALL STACK/VENT NUMBERS SI	HARING THIS CON	ITROL DEVI	CE (LISTED ON 2.0S S	TACK/VENT INF	ORMATION)						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS				1				<u> </u>		
EMISSION UNIT NO.	•	S	SOURCE CLASSIFICAT	TON CODE (SCC	i)	SEG. NO.	DEVICE NO.		DEVIC	E CODE	
FE-03	}		30	501008		1	CDO	8		217	7
CONTROL DEVICE DESCRIPTION	\ \ /\\T	ER SDE	ΣΔΥ			OPERATING STAT Active		П.			
		WATER SPRAY					∐Inactiv	е Ш	Dism	antled	
ARE THE EMISSIONS CONTROLLED				Yes	X No						
AIR POLLUTANT						LEAD	LIAD(a)	PM25 I		NILIO	PM CON
	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)			NH3	PIVI CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										

FACILITY NAME NEW MADRID POWER	R PLANT MA	PLANT MARSTON				⁷ NO. 143	PLANT NO. 0004		YEAR OF DATA 2015		5
EMISSION UNIT NO.	;	Si	OURCE CLASSIFICAT	TION CODE (SCC 501024	c)	SEG. NO.	DEVICE NO.	2	DEVIC	E CODE 217	7
CONTROL DEVICE DESCRIPTION	WAT	ER SPR	RAY			OPERATING STAT Active	us (CHECK ONE) Inactiv	e 🔲	Dism	antled	
ARE THE EMISSIONS CONTROLLED				Yes	X No						
LIST ALL STACK/VENT NUMBERS SH							1 1115()	I	1	NII 10	
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAP(s)	PM25 I		NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS		•		1	•	•	•			
EMISSION UNIT NO.		S	OURCE CLASSIFICAT	TON CODE (SCC	()	SEG. NO.	DEVICE NO.		DEVIC	E CODE	
FE-06	;		30	502007		1 CD02 217					
CONTROL DEVICE DESCRIPTION		•			OPERATING STAT	US (CHECK ONE)					
	WAT	ER SPR	RAY			× Active	□Inactiv	re 🔲 i	Dism	antled	
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY?											
LIST ALL STACK/VENT NUMBERS SH	HARING THIS CON	TROL DEVIC	CE (LISTED ON 2.0S S	STACK/VENT INF	ORMATION)						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 I	FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS				<u> </u>	l .	1	1			
EMISSION UNIT NO.		S	OURCE CLASSIFICAT	TON CODE (SCC	()	SEG. NO.	DEVICE NO.		DEVIC	E CODE	
FE-07	,		50	300810		1	CDC	2		217	7
CONTROL DEVICE DESCRIPTION	\Λ/ΔΤ	FR SPR	ΡΔΥ			OPERATING STAT Active		П.			
		WATER SPRAY					∐Inactiv	е Ш	Dism	antled	
ARE THE EMISSIONS CONTROLLED LIST ALL STACK/VENT NUMBERS SI				Yes	X No						
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25	=11 T	NH3	PM CON
CAPTURE EFFICIENCY (%)		301	NOX	VOC		LEAD	HAF(5)			ИПЭ	FIVI CON
CAPTURE EFFICIENCY (%)	100.0000							100.00	000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.00	00		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLE	D HAPS										

FACILITY NAME	DOWED	DI ANI	MADOTON		FIPS COUNTY NO.			PLANT N		YEAR OF DATA
NEW MADRID	POWER	2LAN I	MARSION			143	3		0004	2015
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCO	C)	SEG	S. NO.	X Stack		FOR A NO	N-CIRCULAR STACK:
EP-01	I		1010050 ²	1		3	☐ Vent			ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION					% OF EM	ISSIONS RELEASED)
S-1			BOILER #	1 - BITUMINOU	S C	COAL				100.00
STACK/VENT OPERATION	NG STATUS (CH	IECK ONE	Active	Inac	tive		Disn	nantled		
HEIGHT (FT.)	DIAMETER (F	Γ.)	TEMPERATURE (F)	VELOCITY (FT./MIN.)		FLOW RATE (CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT
800.00	20.00	00	322.90	4,090.00		1,2	84,911.40)		
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCO	C)	SEG	6. NO.	X Stack		FOR A NO	N-CIRCULAR STACK:
EP-01	l		10100223	3		2	U Vent			ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION					% OF EM	ISSIONS RELEASED)
S-1			BOILER #	1 - BITUMINOU	S C	OAL				100.00
STACK/VENT OPERATION	NG STATUS (CH	IECK ONE	CK ONE) Active Inactive				Disn	nantled		
HEIGHT (FT.)	DIAMETER (F	Γ.)	TEMPERATURE (F) VELOCITY (FT./MIN.) FLOW RATE (CU FT./MIN.) LIST OTHER POINTS SHARING THIS STA				S SHARING THIS STACK/VENT			
800.00	20.00	00	322.90	4,090.00		1,2	84,911.40)		
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCO	C)	SEG	S. NO.	× Stack		FOR A NO	N-CIRCULAR STACK:
EP-01	I		10100203	3		1	☐ Vent			ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION					% OF EN	ISSIONS RELEASED)
S-1			BOILER #	1 - BITUMINOU	S C	OAL				100.00
STACK/VENT OPERATION	NG STATUS (CH	IECK ONE	Active	Inac	tive		Disn	nantled		
HEIGHT (FT.)	DIAMETER (F	Г.)	TEMPERATURE (F)	VELOCITY (FT./MIN.)		FLOW RATE (CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT
800.00	20.00	00	322.90	4,090.00		1,2	84,911.40)		
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCO	C)	SEG	S. NO.	× Stack		FOR A NO	N-CIRCULAR STACK:
EP-01	l		10101302	2		4	Uent Vent			ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	VENT DESCRIPTION % OF EMISSION			ISSIONS RELEASED)			
S-1			BOILER #1 - BITUMINOUS			OAL				100.00
STACK/VENT OPERATION	NG STATUS (CH	HECK ONE) Active Ina			active Disma			nantled		
HEIGHT (FT.)	DIAMETER (F	Г.)	TEMPERATURE (F)	ATURE (F) VELOCITY (FT./MIN.)			N.) FLOW RATE (CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT
800.00	20.00	00	322.90	4,090.00		1,2	84,911.40)		

FACILITY NAME NEW MADRID	POWER I	ΟΙ ΔΝΙΤ	- MARSTON		FIPS COUNTY NO.			PLANT NO. YE 0004		YEAR OF DATA 2015
NEW MADIND	TOWERT	LANI	WARSTON			140	,		0004	2013
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCO)	SEG	S. NO.	X Stack		FOR A NO	N-CIRCULAR STACK:
EP-02	2		10100501	1		3	☐ Vent			ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION				-	% OF EM	ISSIONS RELEASED)
S-2			BOILER #2-	SUBBITUMINO	US	COAL				100.00
STACK/VENT OPERATIN	NG STATUS (CH	ECK ONE) Active	Inact	tive		Dism	nantled		
HEIGHT (FT.)	DIAMETER (FT)	TEMPERATURE (F)	VELOCITY (FT./MIN.)		FLOW RATE (CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT
800.00	20.00	00	351.40	4,200.00		1,3	319,400.00)		
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCC	C)	SEG	6. NO.	X Stack		FOR A NOI	N-CIRCULAR STACK:
EP-02	2		10100203	3		1	☐ Vent			ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION					% OF EM	ISSIONS RELEASED)
S-2			BOILER #2-	SUBBITUMINO	US	COAL				100.00
STACK/VENT OPERATION	NG STATUS (CH	ECK ONE) X Active	Inact	tive		Dism	nantled		
HEIGHT (FT.)	DIAMETER (FT	.)	TEMPERATURE (F)		FLOW RATE (CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT	
800.00	20.00	00	351.40	4,200.00		1,3	319,400.00)		
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCO	D)	SEG	S. NO.	X Stack		FOR A NO	N-CIRCULAR STACK:
EP-02	2		10100223	3		2	☐ Vent			TER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION					% OF EM	ISSIONS RELEASED)
S-2			BOILER #2-	SUBBITUMINO	US	COAL				100.00
STACK/VENT OPERATIF	NG STATUS (CH	ECK ONE) Active	Inact	tive		Dism	nantled		
HEIGHT (FT.)	DIAMETER (FT	.)	TEMPERATURE (F)	VELOCITY (FT./MIN.)		FLOW RATE (CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT
800.00	20.00	00	351.40	4,200.00		1,3	319,400.00)		
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCO	3)	SEG	S. NO.	X Stack		FOR A NO	N-CIRCULAR STACK:
EP-02	2		10101302	10101302			☐ Vent			ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION				% OF EM	ISSIONS RELEASED)	
S-2		BOILER #2-SUBBITUMINO				COAL				100.00
STACK/VENT OPERATIF	NG STATUS (CH	ECK ONE	ECK ONE) Active Ina			active Disma				
HEIGHT (FT.)	DIAMETER (FT	.)	TEMPERATURE (F)	VELOCITY (FT./MIN.)		FLOW RATE (CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT
800.00	20.00	00	351.40	4,200.00		1,3	19,400.00	00		

FACILITY NAME NEW MADRID	POWER F	PLANT	Γ MARSTON		FIPS COUNTY NO. 143			PLANT N	o. 0004	YEAR OF DATA 2015	
EMISSION UNIT NO.	3	SOURCE	ECLASSIFICATION CODE (SCC 20100102		SEG	1 1	X Stack Vent		DIAMET	N-CIRCULAR STACK: IER = (1.128A)^1/2 TIONAL AREA IN SQ FEET)	
STACK/VENT NO. S-3		STACK/V	EMERG	SENCY GENERA	ΛTC)R		% OF EM	IISSIONS RELEASED	100.00	
STACK/VENT OPERATIN	NG STATUS (CH	IECK ONE	Active	Inact	ive		Dism	nantled			
HEIGHT (FT.) 18.00	DIAMETER (FT 0.92	,	TEMPERATURE (F) 302.00	VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 3,656.52		LIST OTHER POINT	TS SHARING THIS STACK/VENT	
EMISSION UNIT NO.	1	SOURCE	CLASSIFICATION CODE (SCC		SEG	1 1	X Stack Vent		DIAMET	N-CIRCULAR STACK: IER = (1.128A)^1/2 TIONAL AREA IN SQ FEET)	
STACK/VENT NO.		STACK/V	/ENT DESCRIPTION	AL UNLOADING	- }			% OF EM	IISSIONS RELEASED	100.00	
STACK/VENT OPERATIN	NG STATUS (CH	IECK ONE	Active	Inact	ive		Dism	nantled			
HEIGHT (FT.) 10.00	DIAMETER (FT 9.00	,	TEMPERATURE (F) 101.00	VELOCITY (FT./MIN.) 1,998.00		FLOW RATE (CU FT./MIN.) 27,194.00		LIST OTHER POINT	TS SHARING THIS STACK/VENT	
EMISSION UNIT NO.	5	SOURCE	CLASSIFICATION CODE (SCC 30501011		SEG	1. NO.	X Stack Vent		DIAMET	N-CIRCULAR STACK: IER = (1.128A)^1/2 TIONAL AREA IN SQ FEET)	
STACK/VENT NO. V-2		STACK/V	VENT DESCRIPTION	DAL CRUSHING				% OF EM	IISSIONS RELEASED	100.00	
STACK/VENT OPERATIN	NG STATUS (CH	IECK ONE	Active	Inact	ive		Dism	nantled			
HEIGHT (FT.) 5.70	DIAMETER (FT 2.17	,	TEMPERATURE (F) 77.00	VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 8,160.06		LIST OTHER POINT	TS SHARING THIS STACK/VENT	
EMISSION UNIT NO.	5	SOURCE	CLASSIFICATION CODE (SCC 30501011		SEG	2	X Stack ☐ Vent		DIAMET	N-CIRCULAR STACK: IER = (1.128A)^1/2 TIONAL AREA IN SQ FEET)	
STACK/VENT NO. V-2		STACK/V	STACK/VENT DESCRIPTION COAL CRUSHING					% OF EM	IISSIONS RELEASED	100.00	
STACK/VENT OPERATIN	NG STATUS (CH	IECK ONE	CCK ONE)			active			Dismantled		
HEIGHT (FT.) 5.70	DIAMETER (FT 2.17	,	TEMPERATURE (F) 77.00	VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 8,160.06		LIST OTHER POINT	TS SHARING THIS STACK/VENT	

FACILITY NAME NEW MADRID	POWER I	PLANT	MARSTON		FIPS COUNTY NO. 143			PLANT N	o. 0004	YEAR OF DATA 2015
EMISSION UNIT NO.	5	SOURCE	CLASSIFICATION CODE (SCC		SEG	3. NO.	X Stack Vent		DIAMET	N-CIRCULAR STACK: 'ER = (1.128A)^1/2 TIONAL AREA IN SQ FEET)
STACK/VENT NO. V-2		STACK/V	ENT DESCRIPTION	OAL CRUSHING				% OF EM	ISSIONS RELEASED	100.00
STACK/VENT OPERATIF	NG STATUS (CH	ECK ONE	Active	Inact	ive		Dism	nantled		
HEIGHT (FT.) 5.70	DIAMETER (FT 2.17		TEMPERATURE (F) 77.00	VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (6	CU FT./MIN.) 8,160.06		LIST OTHER POINT	'S SHARING THIS STACK/VENT
EMISSION UNIT NO.	5	SOURCE	CLASSIFICATION CODE (SCC 30501011		SEG	6. NO. 4	X Stack		DIAMET	N-CIRCULAR STACK: TER = (1.128A)^1/2
	,	OTA OKA		J	<u> </u>	4	☐ Vent	°′ OF FM	(A=CROSS SECT	ΓΙΟΝΑĹ AREA IN SQ FEET)
STACK/VENT NO. V-2		STACK/V	ENT DESCRIPTION	OAL CRUSHING				% OF EW	ISSIONS RELEASED	100.00
STACK/VENT OPERATIN	NG STATUS (CH	IECK ONE	Active	tive		Dism	nantled			
HEIGHT (FT.)	DIAMETER (FT	ī.)	TEMPERATURE (F) VELOCITY (FT./MIN.) FLOW RATE (CU			CU FT./MIN.)		LIST OTHER POINT	S SHARING THIS STACK/VENT	
5.70	2.17	0	77.00	13,022.00		48	8,160.06			
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCC	<i>(</i>)	SEG	G. NO.	X Stack		FOR A NO	N-CIRCULAR STACK:
EP-06	3		30501010)		1	Vent			TER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.	_	STACK/V	ENT DESCRIPTION		_			% OF EM	ISSIONS RELEASED	
V-3				DAL CRUSHING						100.00
STACK/VENT OPERATII	NG STATUS (CH	ECK ONE	Active	Inact	ive		Dism	nantled		
HEIGHT (FT.) 11.72	DIAMETER (FT 5.20		TEMPERATURE (F) 77.00	VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 76,550.38		LIST OTHER POINT	S SHARING THIS STACK/VENT
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCC	;)	SEG	G. NO.	X Stack		FOR A NO	N-CIRCULAR STACK:
EP-07	7	l	30501015	30501015			☐ Vent		DIAMET	TER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	STACK/VENT DESCRIPTION					% OF EM	ISSIONS RELEASED	
V-4		ASH LOADING								100.00
STACK/VENT OPERATIN	NG STATUS (CH	ECK ONE	ECK ONE) X Active			nactive Dism				
HEIGHT (FT.)	DIAMETER (FT	•	TEMPERATURE (F)						LIST OTHER POINT	S SHARING THIS STACK/VENT
86.00	3.00	0	68.00	2,532.00		1	7,916.00			

FACILITY NAME NEW MADRID	POWER I	PLANT	MARSTON		FIPS	S COUNTY NO. 143		PLANT N	o. 0004	YEAR OF DATA 2015
EMISSION UNIT NO.	7	SOURCE	CLASSIFICATION CODE (SCC		SEG	3. NO. 2	➤ Stack ☐ Vent		DIAMET	N-CIRCULAR STACK: 'ER = (1.128A)^1/2 IIONAL AREA IN SQ FEET)
STACK/VENT NO. V-4		STACK/V	ENT DESCRIPTION	ASH LOADING				% OF EM	ISSIONS RELEASED	100.00
STACK/VENT OPERATION	NG STATUS (CH	IECK ONE	Active	Inact	ive		Dism	nantled		
HEIGHT (FT.) 86.00	DIAMETER (FT	,	TEMPERATURE (F) 68.00	VELOCITY (FT./MIN.) 2,532.00		FLOW RATE (CU FT./MIN.) 7,916.00		LIST OTHER POINT	S SHARING THIS STACK/VENT
EMISSION UNIT NO.	3	SOURCE	CLASSIFICATION CODE (SCC 40400107		SEG	3. NO. 2	X Stack Vent		DIAMET	N-CIRCULAR STACK: ER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO. V-5		STACK/V	ENT DESCRIPTION GAS	OLINE STORAG	ξE			% OF EM	ISSIONS RELEASED	100.00
STACK/VENT OPERATIN	NG STATUS (CH	IECK ONE	Active Inactive				Dism	nantled		
HEIGHT (FT.) 8.00	DIAMETER (FT 0.25	,	TEMPERATURE (F) 77.00	VELOCITY (FT./MIN.) 6.00		FLOW RATE (CU FT./MIN.) 0.29		LIST OTHER POINT	S SHARING THIS STACK/VENT
EMISSION UNIT NO.	3	SOURCE	CLASSIFICATION CODE (SCC 40400101		SEG	3. NO. 1	X Stack Vent		DIAMET	N-CIRCULAR STACK: TER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO.		STACK/V	ENT DESCRIPTION GAS	OLINE STORAG)E			% OF EM	ISSIONS RELEASED	100.00
STACK/VENT OPERATION	NG STATUS (CH	IECK ONE	Active	Inact	ive		Dism	nantled		
HEIGHT (FT.) 8.00	DIAMETER (FT 0.25	,	TEMPERATURE (F) 77.00	VELOCITY (FT./MIN.) 6.00		FLOW RATE (0.29		LIST OTHER POINT	S SHARING THIS STACK/VENT
EMISSION UNIT NO.		SOURCE	CLASSIFICATION CODE (SCC	<i>(</i>)	SEG	6. NO.	X Stack		FOR A NOI	N-CIRCULAR STACK:
EP-09	9		20200102	2	1 DIAMETER = (1.128A)^1/2 (A=CROSS SECTIONAL AREA IN SQ FEET)					
STACK/VENT NO.		STACK/V	ENT DESCRIPTION	: :5 (0)	% OF EMISSIONS RELEASED					
S-4	NO OTATUO (OL	TEOK ONE			mps (Qty = 8)			100.00		
STACK/VENT OPERATIN	`		Active				nantled			
15.00	0.66		TEMPERATURE (F) 302.00	VELOCITY (FT./MIN.) 987.40		FLOW RATE (345.00		LIST OTHER POINT	S SHARING THIS STACK/VENT



FACILITY NAME NEW MADRID	POWER I	PLANT	MARSTON		FIPS COUNTY N	43	PLANT N	0004	YEAR OF DATA 2015
EMISSION UNIT NO.	-10 20200401					X Stack		DIAMET	N-CIRCULAR STACK: TER = (1.128A)^1/2 FIONAL AREA IN SQ FEET)
STACK/VENT NO. S-5		STACK/V	ENT DESCRIPTION Temporary	Air Compressor	Exhaust		% OF EN	IISSIONS RELEASED	100.00
STACK/VENT OPERATIN	NG STATUS (CH	IECK ONE) Active	Inact	ive	Dis	smantled		
HEIGHT (FT.) 15.00	DIAMETER (FT 0.66	,	TEMPERATURE (F) 1,152.00	VELOCITY (FT./MIN.) 9,470.10	FLOW RAT	3,309.00		LIST OTHER POINT	'S SHARING THIS STACK/VENT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
AIR POLLUTION CONTROL PROGRAM

EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 2.5L GENERAL LIQUID STORAGE TANK INFORMATION

FACILITY NAME NEW MADRID POW	ER PLANT MAR		IPS COUNTY NO.		PLANT NO. 0004		YEAR OF DATA 2015	
EMISSION UNIT NO. EP-08	TANK ID	SCC (BREATHING OR WORKING) 40400107	SEG. NO.	DIAMETER (FT	000	HEIGHT (FT.)	0	LENGTH (FT.) 0.00
CAPACITY (IN THOUSANDS OF G	,	THROUGHPUT (IN THOUSANDS OF GALLONS) 21.620000	TANKS PROGRAM USED? Yes X No					
CAS NUMBER 8006-61	1-9	CHEMICAL Gasoline		CHOOSE TYPE X Vertical fi Horizonta	,		Vertical floati	•
EMISSION UNIT NO. EP-08	TANK ID	SCC (BREATHING OR WORKING) 40400101	SEG. NO.	DIAMETER (FT	.))00	HEIGHT (FT.) 8.0		LENGTH (FT.) 0.00
CAPACITY (IN THOUSANDS OF G		THROUGHPUT (IN THOUSANDS OF GALLONS) 21.620000	•	TANKS PROGE	RAM USED?			
CAS NUMBER 8006-61	1-9	CHEMICAL Gasoline		CHOOSE TYPE X Vertical fi			Vertical floati	•

MO 780-1444 (12-09)



MISSOURI DEPARTMENT OF NATURAL RESOURCES
AIR POLLUTION CONTROL PROGRAM

EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ FORM 3.0 EMISSIONS FEE CALCULATION

FACILITY NAME
NEW MADRID POWER PLANT MARSTON
FIPS COUNTY NO.
143
PLANT NO.
2015

NEW MADRID POWER PLANT MARSTON						143	00	04	2015	
1. EMISSION UNIT NO.	If more than	one page is		the first row				total box at the totals from thing		
scc		_				LUTANT				
EP-01	PM10 FIL	SOx	NOx	VOC	СО	LEAD	HAPs	PM2.5 FIL	NH3	PM CON
	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.10
10100501										
EP-01	233.14	6,741.50	2,350.90	113.17	2,580.81	0.03	61.58	98.64	21.44	113.06
10100223										
EP-01	0.12	0.00	0.00	0.06	1.33	0.00	0.00	0.05	0.00	0.06
10100203										
EP-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10101302										
EP-02	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.09
10100501										
EP-02	0.02	0.00	0.00	0.01	0.24	0.00	0.00	0.01	0.00	0.01
10100203										
EP-02	191.94	5,633.62	1,847.70	93.35	2,238.29	0.02	49.76	81.21	16.82	135.11
10100223										
EP-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10101302										
EP-03	0.05	0.15	2.22	0.18	0.48	0.00	0.00	0.05	0.00	0.00
20100102										
EP-04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501008										
EP-05	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00
30501011										
EP-05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
30501011										
EP-05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501011										
EP-05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
30501011										
EP-06	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
30501010										
EP-07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501015										
EP-07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501015										

0.00 0.0 40400107 EP-08 40400101 EP-09 20200102 EP-10 0.00 0.00 0.00 0.00	0 0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
40400101 0.00 0.00 0.00 EP-10 0.00 0.00		0.29	0.00	0.00	0.00	0.00	0.00	0.00
40400101 EP-09 20200102 EP-10		0.20	0.00	0.00	0.00	0.00		
20200102 0.00 0.0	0 00						,	0.00
20200102 EP-10	U I U.UU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EP-10 0.00 0.0								
0.00 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20200401		ļ						
EP-11 0.01 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501110								
EP-12 5.40 0.0	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
30501110								
EP-14 0.00 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501110								
EP-15 0.00 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501110		ļ						
FE-01 7.11 0.0	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00
30501043		ļ						
FE-01 34.57 0.0	0.00	0.00	0.00	0.00	0.00	5.17	0.00	0.00
30502007								
FE-02 0.74 0.0	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00
30502011								
FE-03 0.00 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30501008		ļ						
FE-04 0.19 0.0	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
30501024								
FE-05 4.09 0.0	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00
30501024								
FE-06 1.35 0.0	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00
30502007		ļ						
FE-07 4.69 0.0	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00
50300810		ļ						
PAGE TOTALS 484.95 12,375		207.18	4,821.14	0.05	111.34	189.01	38.25	248.43
Note: Fill out the lower portion of this f 2. ACTUAL EMISSIONS (Use the sum of			nt for actual e	emission figur	res below.)			
PM10 SO		VOC	СО	LEAD	HAPs	PM2.5	NH3	PM CON
Total TOTAL 12,375	5.27 4,200.82	207.18	4,821.14	0.05	111.34	TOTAL 437.43	38.25	Included in Total PM10 and PM2.5
Copy the actual emissions from section 2	to the appropriate	box(es) in the	e Total Plant	Emissions so	ection of			1 1712.0
Form 1.0 General Plant Information. 3. CHARGEABLE EMISSIONS (Maximur	n 4,000 Tons/Yr.	cap per pollut	ant)					
Total 733.37 4,000		207.18	NO FEES FOR CO	0.05	111.34	NO FEES FOR PM2.5	NO FEES FOR NH3	PM CON is included in PM10 and PM2.5
4. SUM OF CHARGEABLE EMISSIONS Round chargeable emissions to the neare								

5. TOTAL ANNUAL EMISSIONS FEE									
Multiply the sum of chargeable emissions this amount in section 5. The minimum fee	e is \$48.	\$ 434,496.00							
6. ANNUAL EMISSIONS FEE REMITTED	TO THE CITY OF KANSAS CITY OR ST	. LOUIS COUNTY LOCAL AIR AGENCY							
CHECK NUMBER	CHECK DATE	AMOUNT REMITTED IN CALENDAR YEAR OF RECORD \$ 0.00							
7. ANNUAL EMISSIONS FEE REMITTED	TO THE STATE (SECTION 5 MINUS SE	CTION 6)							
CHECK NUMBER	CHECK DATE	CHECK AMOUNT							
		\$ 434,496.00							
8. INCLUDE A CHECK FOR THE AMOU	NT IN SECTION 7, PAYABLE TO THE MI	SSOURI AIR POLLUTION CONTROL PROGRAM.							
Mail the check for the emissions fee to the State Air Agency listed on Form 1.0.									
	9. SEND THE COMPLETED QUESTIONNAIRE AND ANY SUPPORTING DOCUMENTATION TO THE AGENCY LISTED AT THE BOTTOM OF FORM 1.0 GENERAL PLANT INFORMATION.								

MO 780-1509 (11-15)

FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA	
NEW MADRID POWER PLANT MARSTON	143	0004	2015	

The Missouri Air Conservation Law, Chapter 643, requires a financial cost estimate. The cost estimate is an evaluation of any additional costs of doing business attributable to the Federal Clean Air Act, as amended.

Calculate the cost and expenses incurred to complete the Emission Inventory Questionnaire, including the calculation of emission fees. If you hired an outside consultant, include the time and money charged to your company. Also include any cost incurred if you installed air pollution control equipment, any additional monitoring or testing expense or any additional personnel costs incurred to comply with the Missouri Air Conservation Law and the Federal Clean Air Act, as amended.

Be sure to use the codes found in the instructions: www.dnr.mo.gov/env/apcp/eig/eiginformation.htm.

	CATEGORY REPORTING	CODE FOR PERSONNEL OR EQUIPMENT	NUMBER OF EMPLOYEES	TOTAL NUMBER OF HOURS REQUIRED	COST PER HOUR	TOTAL COST
-	company personnel (engineers, technical specialists, others).	A04 : Coordinator (Compliance, Environmental, Facility, Permit, and Safety)	1	60.0	60.00	3,600.00
•	EIQ reviewed and completed by company personnel (engineers, technical specialists, others).	A26 : Senior Specialist	1	8.0	60.00	480.00
3.		D02 : CEM Operations and Maintenance				32,000.00
	with complying with the Clean Air Act,	B07 : Maintenance of Control Equipment				2,006,500.00
	with complying with the Class Air Act	E03 : Emission Fees				434,496.00
•	and the second before an additional Charles Adm A at	EXX : NOx Allowances				410,000.00
•		EXX : Ammonia for SCRs				3,217,521.00
	Total					6,104,597.00

MO 780-1622 (12-09)